LIVING
HOUSING HOMEMAKERS
A REPORT ON 10 TREND-SETTING HOUSES
See how Living-Conditioning influences the way you plan, decorate and live in your home

LONGLINE** LOOK OF LUXURY
MAGNIFICENTLY INTERPRETED BY...

Castro

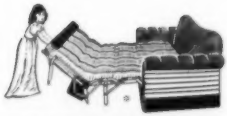
AMERICA'S MOST DISTINGUISHED NAME IN CONVERTIBLE FURNITURE

shown: *The Sierra*

ONE OF THE OUTSTANDING DESIGNS FROM CASTRO'S 'LONGLINE' SERIES**

Long, sweeping loveliness in the contemporary manner...its magnificent proportions accented by separate back cushions and sumptuous button tufting. A breathtaking new conception, enhanced by the light look of OFF-THE-FLOOR styling. Converts to a comfortable King Size bed sleeping two, featuring Castro's patented, exclusive Under-Cushion Spring Action for incomparable seating comfort and the separate Castrobilt innerspring mattress.

Long recognized as the design leader of convertible furniture, Castro represents the ultimate in elegance and fine craftsmanship. Superbly constructed, endowed with engineering achievements that have brought world renown, its matchless performance cannot be imitated. The fingertip ease with which a Castro converts to a bed, its luxurious comfort as both a sofa and a bed... these are the hallmarks of a **Genuine Castro.**



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Castro Convertibles The Incomparable

For information and free brochure, write:

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Can You Call a Man a "Failure" at Thirty?

Men who think that success is only a matter of "a few years" are failures . . . however young they are!

How often have you heard some young man in business say, "I'll admit the job I have now isn't much but, after all, I'm only in my twenties."

Or: "Just about every executive in the company I work for is between 45 and 65. I have plenty of time to get ahead."

This *mistaken* idea that success comes automatically with time is easy to understand. Promotions do come regularly and effortlessly to young men of promise. *But* the day arrives, often abruptly, when that promise must be *fulfilled*. Native ability and intelligence can carry a man only to the mid-way point in business—beyond that he must *prove* his capacity to justify a position of executive responsibility. That calls for a practical, working knowledge of business fundamentals.

The time to build that knowledge—to lay a solid groundwork for your future progress—is now . . . *now* while time is still on your side. If you fail to recognize that fact, you'll know only struggling, skimping and regret when your earning power should be at its height.

FOR THE BUSINESS MAN WHO REFUSES TO STAGNATE

ALEXANDER HAMILTON INSTITUTE 71 West 23rd St. New York 10, N. Y.

HALF the world is half asleep! Men who could be making twice their present salaries are coasting along, hoping for promotions but doing nothing to bring themselves forcefully to the attention of management. They're wasting the most fruitful years of their business lives... throwing away thousands of dollars they'll never be able to make up.

If YOU want to discover how to start to succeed while you're still young—if you want to avoid the heartbreak of failure in later years—send today for "Forging Ahead in Business"... one of the most practical and helpful booklets ever written on the problems of personal advancement. You will discover what the qualifications of an executive are in today's competitive market . . . what you must know to make $15,000, $20,000 or more a year . . . what you must *do* to accumulate this knowledge.

"Forging Ahead in Business" was written for ambitious men who seriously want to get down to bed-rock in their thinking about their business future; there's no charge for the booklet because, frankly, we've never been able to set a price on it that would reflect its true value. Some men have found a fortune in its pages. If you feel that it's meant for you, simply fill out and return this coupon. Your complimentary copy will be mailed to you promptly.

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Modern Business

Please mail me, without cost, a copy of your 48-page Book—"FORGING AHEAD IN BUSINESS"

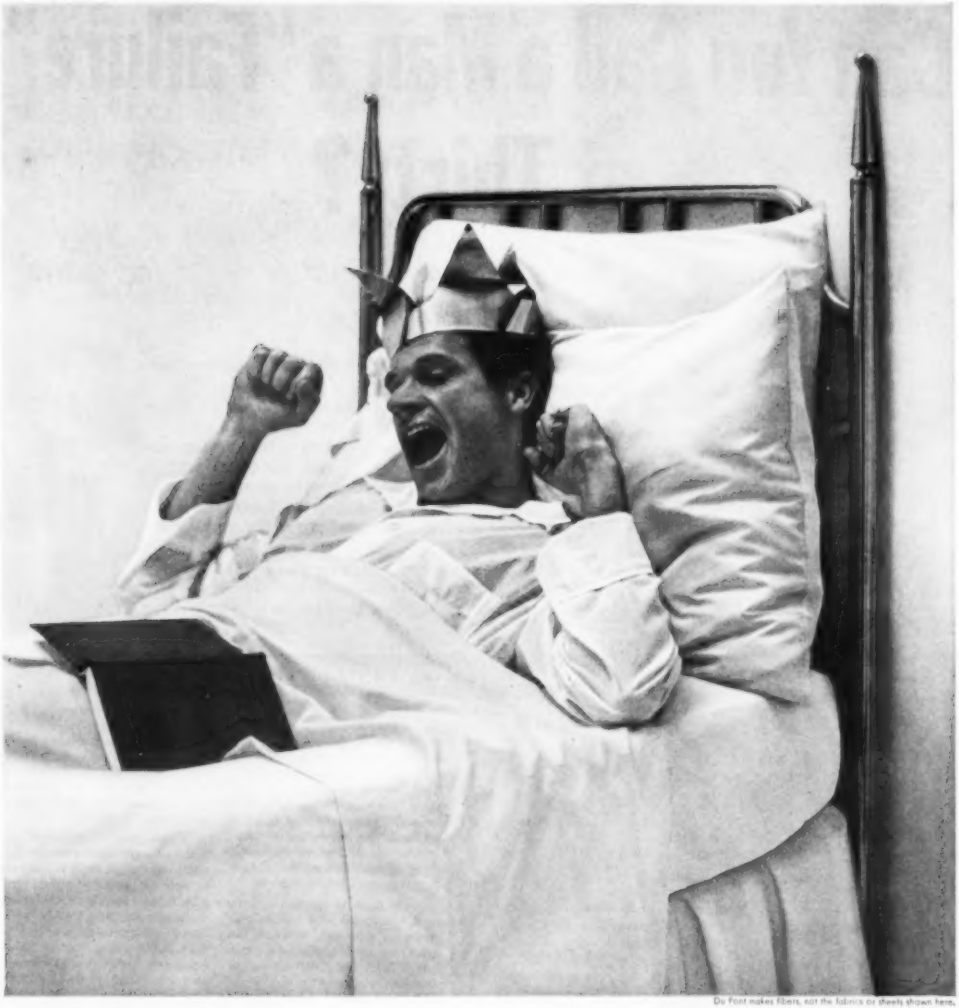
Name.....

Firm Name.....

Business Address.....

Position.....

Home Address.....



Du Pont makes fibers, not the fabrics or sheets shown here.

It costs no more to treat him like a king with sheets of nylon

It's a fresh, new feeling—smooth, luxurious, sleep-inviting. He'll say the comfort of nylon sheets is worth a fortune. *You'll* cheer the low, low cost. And these lovely nylon sheets wash right at home . . . never leave you stranded for guest extras. They're light to lift while washing, quick to dry, need no ironing. Corners are fitted for a king's comfort . . . to speed bedmaking, too.

See sheets of 100% Du Pont nylon in fashion pastels and white, at your favorite store. You'll want this dreamy luxury for all your beds. Twin size about **$2.98** (SLIGHTLY HIGHER WEST OF THE ROCKIES)

DU PONT

BETTER THINGS FOR BETTER LIVING
. . . THROUGH CHEMISTRY

SHEETS OF 100% DU PONT NYLON

Living room of the Electri-Living Home in North Ridge, California (page 35). Architects: Palmer & Krisel, A.I.A.; builder: Sanford D. Adler. Decoration by Dwight E. Hook, Jr.; color consultant, Doris Palmer. Carpet by Callaway; lamps from Lightrend. Photography by George de Gennaro

JANUARY 1958 **35 CENTS**

LIVING
FOR YOUNG HOMEMAKERS

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LIVING TODAY

34 Living-conditioning creates new trends in America's houses
35 How to evaluate space in terms of comfort
40 The sound economy of total space planning
44 Triple-barreled answer to space
48 Variety through the exploration of space
53 Color establishes continuity of space
58 The yardstick is flexibility
62 A house blessed with natural resources
66 A check-list of living-conditioned benefits
68 House and site: perfect marriage
72 Uninhibited design conquers the limitations of the small lot
78 Lighting adds a new dimension to living
83 A lift for the jaded palate
84 One-room "suite"
90 Class for new dads
96 Close collaboration yields a bonus house

YOUNG HOMEMAKING IDEAS

4 Electrical comforts
28 The steam iron, by Anna A. Noone
30 Check-list of 1957-58 steam irons
88 How to use art in decoration

DEPARTMENTS

8 A piece off your mind*
9 The youngest set
10 Best in booklets
13 Music for living, by David Randolph
16 Your money's worth*
33 Speaking of living*
87 What's new for living
98 Mr. Fixit
99 Spade and trowel
100 Furnishings in Electri-Living homes

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Electrical comforts

Many factors contribute to the comforts of *Living-Conditioning*. In the *Electri-Living* homes, electricity is obviously a major one. Here are details selected from the houses, all of which relate to the use of electrical power for the benefits of space-, light-, sound-, climate- and safety-conditioning. Details are grouped under these headings to give a glimpse of the range of new devices on the market which contribute to our physical and mental well-being. Devices range in size from heating and cooling equipment to shower temperature-control mechanisms—all of them important in a well-balanced plan for interrelated comforts and conveniences in a *Living-Conditioned* home.

Distribution panel is the control point for all home electricity. Through this "nerve center," electricity enters the house. Circuit breaker is at right

Light-conditioning

Outdoor lighting doubles the livability of the home by exacting more usefulness from the plot at night. Below, entry lights combined with carport illumination, portable garden lighting dramatize entry at night

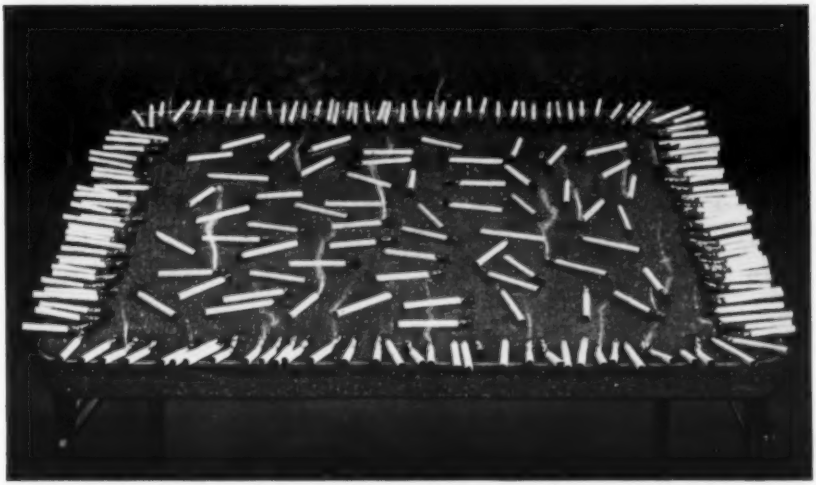
The luminous ceiling furnishes excellent, shadow-free general illumination for work areas. In this kitchen, light is diffused evenly to all centers of activity. Recessed ceiling fixtures in foreground light counter

Cove lighting is a form of general illumination. Wood trough stained to blend with paneled wall houses fluorescent strips throwing an up-light which bathes upper wall and ceiling. Table lamps afford specific light

Fixture with swivel holders for reflector floods throws a curtain of light in obscure carport corner

Closet lighting is an integral part of bedroom illumination. This frosted glass fixture casts light in three directions, forestalls hit-or-miss searching

[Continued on page 6]



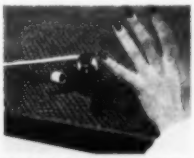
We let 200 cigarettes burn themselves out to prove Samsonite PlastiShield card table

will not burn!

Yes, tests have proved that this newest of Samsonite tables refuses to show a mar from most common household accidents! The exclusive PlastiShield top of richly colored stain-proof vinyl is life-time bonded to Samsonite's famous steel frame. Even razor cuts can't slash it loose. Has every easily-portable, compactly-storable Samsonite table feature, too! Smooth, snag-proof tubular steel legs glide open, close easily. Four colors. Only $12.95

LOOK! No burns where 200 lit cigarettes burned! Even flaming lighter fluid didn't burn this table. Color shown: *Metallic Flame.*

SCRATCH PROOF—PLAY PROOF
Mark on it, cut on it, build on it, bang on it, *PlastiShield* will always look party-perfect. Color shown: *Metallic Tan.*



RESISTS SPILLS AND STAINS
Nail polish, ink, juices, even bleaches clean off! Special rim holds liquids on table top! Color shown: *Tombola Green.*

ATTRACTIVE matching chairs are available for Samsonite *PlastiShield* Tables. Color shown here: *Metallic Grey.* Chairs $7.95 each.

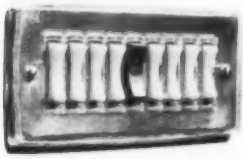
Samsonite

Guaranteed by Good Housekeeping

by the makers of Samsonite Luggage, School Furniture
Shwayder Bros., Inc., Folding Furniture Division, Detroit 29, Mich.

Electrical comforts [Continued from page 4]

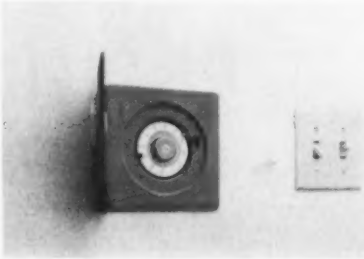
Recess floods located in a lowered portion of a kitchen-family-room ceiling cast pools of light which dramatize and enliven one end of the area. Low ceiling fixture throws down-light over sink and work counters



Touch-action switching is part of a low-voltage wiring system which permits noiseless, immediate and central control of illumination throughout the entire house and grounds

Mood is an important by-product of good lighting. Dimmer controls permit gradual increase and decrease of light intensity, reduce shock of immediate turn-on glare

Timer switch for exterior or interior lighting is a residential adaptation of a commercial idea. An excellent safety device, it allows lights to burn at predetermined hours while residents are away from home



Climate-conditioning

Supplementary heating for quick temperature increase in certain areas of the home is part of a well-planned indoor climate system. Electric radiant heater gives instantaneous heat in bath; installation beyond is ventilator for drawing off odors and steam, a factor in indoor climate

Thermostat is the control center of home heating and cooling system. Operated in conjunction with an outdoor anticipator, it keeps an even, preselected temperature

One type of heat-pump system allows indoor air-handling section to be located apart from the compressor. In this case, indoor unit need not be along an outside wall, permitting flexibility of interior placement

[Continued on page 92]

next to Supercale®... the finest sheet in the world!

debucale® by Wamsutta®

Only the famed craftsmen of Wamsutta could have woven this miracle sheet... at this unbelievably low price!
DEBUCALE *by Wamsutta, "little sister" of the incomparable Supercale, gives you the super-silken finish only Wamsutta has ... in wondrous colors ... in fine, long-wearing combed percale ... all at a price that lets you say ...*
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White and complexion tones, SALE PRICED FOR JANUARY *in your favorite linen departments.*

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By the makers of famous Wamsutta Supercale® sheets and pillowcases and Heritage Towels.

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She's always satisfied most with a BRAND that's made a NAME for itself!

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...and I knew I had to make it the best, most up-to-date product at the lowest possible price. Otherwise, people would start buying somebody else's product. I can't risk my business by making anything but the best."

"I SOLD IT

DEALER

...and I knew it would live up to its claims, because it's made a good name for itself. I don't like to sell unproved, untried products that may not satisfy customers. Satisfied customers build my business."

"I BOUGHT IT

CUSTOMER

...because I knew the name, knew it would be just what I wanted. I usually get the best selection, the newest improvements, and the real values when I stick to advertised brands. And I save time, too."

• • •

THE BRANDS
YOU SEE ADVERTISED
IN THIS MAGAZINE
ARE NAMES YOU CAN TRUST!

They stand firmly behind
every product
and claim they make.

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NEW YORK 16, N. Y.

A PIECE OFF YOUR MIND

WEATHER REPORT

Dear Sirs:
I am in the eighth grade and very much interested in science. Some months ago I saw on a television program a home weather forecaster that came from your magazine *(Father and Son Forecast: Fair and Fun*, June, 1957). I would like a copy of this article with directions for making it. Thank you so much.

Sue Ellen De Jarnett
Salt Rock, West Virginia

STAMP OF APPROVAL

Gentlemen:
At last I have found what I have been looking for—information on where I can buy early American furnishings for my own home *(Taste on a Postage Stamp*, October, 1957). Since my shopping time is limited, this is a great help.

We just signed a sales agreement for our first house, although we have been married almost eleven years, and I have always dreamed of a living room similar to the one pictured in this story.

Mrs. Melvin Reier
Pittsburgh, Pa.

Dear Editor:
I am most intrigued with the idea of being able to order a whole room of furniture through the mail, and look forward to receiving the additional information on where the items in *Taste on a Postage Stamp* (October, 1957) can be bought. I have many similar pieces in my apartment but have never been able to find just the right sofa before.

Mrs. Mary N. McFadden
Portland, Oregon

Dear Sirs:
After selling our furniture in Washington State and traveling around for a few months, we are now settled near a small town in California. I have purchased a couch and chairs very much like the ones pictured in *Taste on a Postage Stamp* in the October, 1957 issue. It was so exciting to see early American accessories that would blend with them.

Mrs. Clyde E. Spangler
Arroyo Grande, Calif.

COLLECTION OF CASTOFFS

Dear Editors:
I have often thought that my husband and I represent quite a large group of young homemakers who are too often neglected by decorating magazines.

Most articles assume that one starts with four walls and then proceeds from there in an orderly manner to produce an integrated interior design. This, in my opinion, is no problem. It is those of us who are fortunate or unfortunate enough to start out with a big collection of family castoffs and inheritances who meet with difficulty.

These, in many cases, consist of a group of pieces, some antique and excellent in design and condition, others less desirable in these respects, and all unrelated.

From a practical viewpoint, one can hardly heave the whole bunch and start again. A chair, however peculiar, is still a chair and better than none. The most valuable items from a resale standpoint are those one least wishes to part with. Even the mediocre serve a real purpose in the household until such a time as they can be replaced.

I realize that by judicious weeding and occasional replacement excellent results can be obtained—results which, indeed, are frequently exciting and unusual. However, dealing with the old and the new is tricky, especially on a limited budget, and it is easy to go astray.

A little guidance and a few ground rules along these lines would be greatly appreciated by many of us who find ourselves grateful but just a little dismayed by our belongings.

Mrs. Edward Lawrence, Jr.
Birmingham, Michigan

EDITOR'S NOTE: *We do develop this theme from time to time and hope you saw* The Resourceful Decorator Routs the Unrelenting Budget *in the July, 1955 issue and* Research in Remodeling, *July, 1957.*

MONEY MANAGEMENT

Dear Editors:
We are in the process of finishing the inside of our home which we just recently built, and all the wonderful helps in LFYH mean a great deal to me. I especially like the articles and tips about doing the best for as little as possible. We work on a budget and being newlyweds not too long ago, the magazine is perfect for us. The photographs have also proved invaluable for the home-decorating course I am taking.

Judythe W. Moro
Parma, Ohio

Dear Sirs:
My husband and I are among your do-it-yourself fans. We are now living in our basement home built entirely by us. At present we are saving, and then saving some more, for the time when we can build the rest of the house. In the meantime, we are refinishing the furniture we plan to use. We are antique lovers.

Mrs. William G. Woods
South Bend, Indiana

IN BRIEF

Dear Editors:
I feel like one of the family, for I have read your publication from the first issue.

I am a furniture salesman and several of the factories I represent advertise in your magazine. A copy always goes with me in my brief case as an effective selling aid.

Lisle D. Carlson
Jackson, Mississippi

THE YOUNGEST SET

Winter, to *The Youngest Set*, can be both a delight and a bore. When the north wind isn't blowing up a blizzard—out they go to their snow men, their skis and minor snow-bank deviltry. But come a storm, in they must stay—Mother's Little Problems. That is why we have assembled a few new winter wrinkles to regale the moppets both outside *and* in: a wonderful skating rink that comes in a box; an equally wonderful pitching machine for budding batters; new ways to play house, and new winter apparel. Take your pick. They were all chosen for two reasons—to amuse *The Youngest Set* and to get poor Mother sanely and soundly through the winter months.

BURT GREEN

For back-yard figure-eighters, the *Home Skating Rink* was designed by Dorothy Lewis as the solution to the lack of a nearby pond. Easy to assemble, flood and maintain, it consists of an adjustable wood frame and a liner of *VisQueen* polyethylene. By Raven Industries, 12' x 12', $23.95. Larger sizes also available. Warm as toast, the children are wearing *Tidykins* snow suits, $24.95, sizes from 3 to 6x, and Sandler of Boston snow boots

[Continued on page 12]

Let BUDS do it!

Baby care . . . Use 100% Sterile BUDS for baby's most delicate cleansing needs. The cotton is tight-spun on the stick—won't slip off!

Blemishes . . . Use 100% Sterile BUDS to put medication or make-up on special spots. Keep BUDS handy in bath, bedroom, nursery.

Blister . . . Use 100% Sterile BUDS to treat delicate sores safely, easily. Tight-spun BUDS won't "fuzz up" in water or medication.

Cleaning ears . . . Use 100% Sterile BUDS to cleanse the ears or nose gently. Only the purest, finest cotton is used on BUDS.

100% STERILE

Made by the most trusted name in surgical products

Johnson & Johnson

BEST IN BOOKLETS

To save readers time and money, LIVING For Young Homemakers is handling booklet requests directly. Fill in the coupon below, indicating by number the booklets you want. Be sure to include stamps or money order for those booklets requiring a remittance (marked by number with asterisks in coupon). Please do not send coins.

DECORATOR'S CORNER

1. A simple setting of *The Seng Decorale* shows the many interior treatments possible for a particular room color or furniture style. This all-in-one decorating aid, designed like a slide rule, has one side devoted to hues that harmonize, contrast and accent; the reverse side offers a planning guide that simplifies the selection of proper wall treatment, floor covering and fabric to blend with the style of furniture in the room. Sketches help identify traditional furniture according to period. 25c.

2. Brighten your outlook with the *21 New Decorating Ideas* on the use of curtains and draperies of Burlington Fiberglas Fabrics, which are easy to care for since they never need ironing. The room sketches and window-treatment suggestions in this booklet are practical, easy to execute and will stimulate your own imagination to create a backdrop to living that sets a mood, contributes a look of graciousness and adds a note of distinction to your home. 10c.

3. Hot tips are given in *New Ideas in Screening Your Fireplace* that will enhance this focal point in many a room design and furnish adequate spark protection at the same time. Discussed and illustrated in this brochure by Portland-Willamette are metal frame and mesh curtain finishes, screen types and styles and complementary accessories that will flatter your hearth. Particularly helpful is the information on how to measure your fireplace to order the equipment you will need to outfit this permanent part of your home. 10c.

FOR HOME IMPROVEMENT

4. A spotless house will be proof positive that *It's Easy to Keep Your Armstrong Floors Beautiful*. With this instructive pamphlet on resilient floor maintenance you will learn all about washing, waxing and buffing so that you can minimize your work and, most important, not mistreat these surfaces. Especially valuable are the sections on the use of furniture rests and the treatment of accidental spots, stains and scratches to insure longer floor wear, lessen daily chores, and allow more leisure living. Free.

5. The home handyman will welcome the comprehensive 36-page *Manual on Finishing Plywood* by the Simpson Logging Co. Step-by-step instructions explain the many methods of finishing this adaptable product, and full-color illustrations show how the various plywoods look when they are finished. Sample topics include preparing the surface, methods of application, interior and exterior treatments, suggested uses for plywood throughout the home, and how and when to apply stain, varnish, shellac, lacquer, wax, paint and enamel to achieve exciting tones, colors and special effects. 25c.

6. Modern heating systems do more than merely produce heat. A 16-page booklet, prepared by the Better Heating-Cooling Council and titled *Heart of the House*, explains with diagrams how a hot-water system can be clean and quiet, supply radiant and convected heat, produce year-round hot faucet water, be adapted to automatic snow melting, permit freedom of decoration, and provide efficient zoned heating and summer cooling—benefits that make family living more healthful and enjoyable. Free.

FOOD TALK

7. When good friends gather, spirits run high and it is the signal for a gala get-together. From the first casual invitation to the departure of the last guest, the *Southern Comfort Party Book* will do everything for you but clean up after the din has subsided. The planning tips, entertainment suggestions and delectable recipes for all kinds of drinks, punches and hot or cold tidbits are sure to turn your hospitable gestures into a memorable occasion. Free.

8. Sweet-tooth satisfiers are like the period at the end of a sentence. *Toll House* cookies, S.S. graham pecan cake, French almond meringues, thumbprint cookies, orange bars, brown-eyed Susans, and S.S. filbert wafers are some of the chocolate morsel snacks and desserts included in *12 Special Semi-Sweet Recipes* from the Nestlé Kitchen that will delight the entire family and have them calling for second helpings. Free.

9. A nation-wide contest by the National Restaurant Association and the Wheat Flour Institute has resulted in some keen competition to that old stand-by, ham-on-rye. *How to Make the Best Sandwiches of the Year* includes such prize-winning recipes as the Seventh Avenue special, hot pizza, Boswell's hot brown, shrimp ho!, devil-on-horseback, gourmet's oyster club, turkey topper and a seafood sandwich that all show originality and are practical, tasty and attractive additions to the menu. Free.

10. Jams or jellies are the *raison d'être* for *Food Editors' Favorites*, a collection of delicious and different recipes prepared by the National Preservers Association from selections made by the food editors of America's newspapers. Such tempting, easy-to-make specialties as lazy daisy biscuits, peach jam cake (aflame!), linzer torte, caramel pie, Melba sauce and Princess Kropotkin's Hungarian kipfels are a perfect foil for this nourishing and flavorful ingredient. 10c.

FOR SPECIAL USE

11. Modern audio units can reproduce music with a range and realism rivaling the original performance. Written in nontechnical language, *This Is High Fidelity* by the Allied Radio Corp. explains this exciting concept in listening enjoyment from the simplest hi-fi components to the new world of stereophonic sound. It pictures different ways hi-fi components can be installed in home music systems, tells how to select the various components best suited to your requirements, discusses how existing equipment can be modernized, and includes money-saving tips. 10c.

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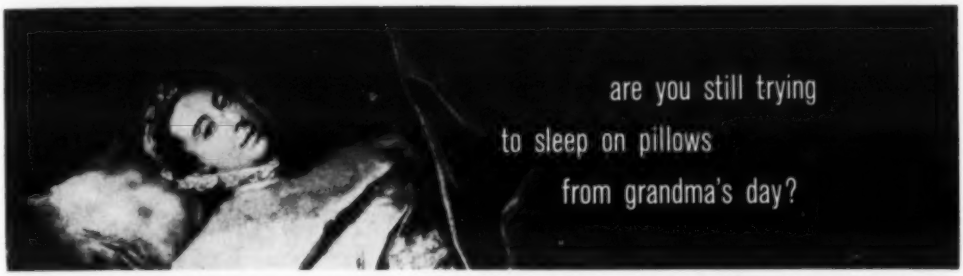

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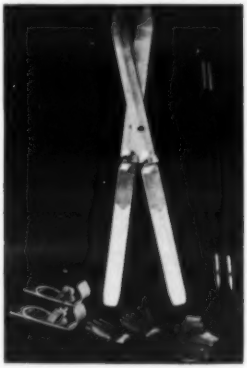
The youngest set [Continued from page 9]



For beginners: *Ski-Skates*, $1.30. For advanced students: *Ski Set*, $4.00. By Withington. For both: weatherproof *Kayak* gloves, 39¢ a pair, and *Kayak* mitts, 69¢. By the Pioneer Rubber Company

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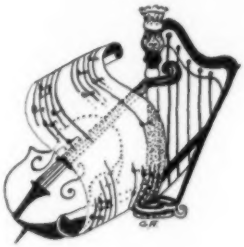
For tyro Ty Cobbs getting ready for spring practice: an automatic pitching machine—the super *Bat-Em Catch-Em*—pitches the ball 30 feet every ten seconds and operates on flashlight batteries. 19" x 15" x 6", complete with 20 lightweight plastic balls, $15.95. Kay Stanley Industries

[Continued on page 14]



MUSIC FOR LIVING

By DAVID RANDOLPH

There is no questioning the fact that music has felt the impact of electronics. I am not referring to the obvious use of electricity as a source of power for our phonographs. What I have in mind is, rather, the basic advances within the vocabulary of music itself, that have been brought about by the invention of magnetic tape-recording. Should you wish to confirm the existence of these advances, and, incidentally, to treat yourself and your friends to some absolutely fascinating experiences in the realm of sound, you might try any of the recordings mentioned here.

First, a brief word about basic principles: most of us, by this time, are familiar with the phenomenon of the tape-recorder. But do you realize how basically different it is from the disc recording? To be sure, both of them are no more than means of preserving sound. On the disc, however, the sound is recorded in an immovable spiral groove, whereas, in the tape recording, it is preserved on a reel that can be unwound.

It is much easier to "handle" the sounds on a tape. It is now possible to know exactly where a particular sound begins and ends, and to locate it with great precision, merely by marking its position on the tape. Consider, for example, the sound of a single note of the piano, as recorded on tape. Because of the ease with which tape can be manipulated, it is possible to locate the exact spot at which the hammer strikes the string, giving rise to the momentary "knock" which is a characteristic of the tone of a piano. Merely by cutting out that precise portion of the tape that contains the "knock" (all that's required is a scissors and a piece of cellulose tape to splice the two ends), it is possible to create a "new" kind of piano sound. Obviously, the result is something that cannot be obtained from the piano alone, because the end result is the tone of the piano, minus the "knock" of the hammer.

This, of course, is only one of innumerable means of handling sounds made possible by the development of tape. Give your own imagination free rein, and you'll be able to think of any number of other possibilities. In fact, if you own a home tape-recorder, you might do some experimenting.

Two of the foremost experimenters in this field are Otto Luening and Vladimir Ussachevsky, whose disc called *Tape Recorder Music*, issued by Innovations Records, was mentioned in these columns some time ago. Both men are on the music faculty of Columbia University. Working singly and together, they have shown great imagination in the handling of musical sounds. So advanced has their technique become that they have been able to introduce into this country for the first time a work for tape-recorder as a solo instrument with orchestral accompaniment. This set of *Rhapsodic Variations for Tape Recorder and Orchestra* has been issued on an LP disc as part of the Louisville Orchestra Series, conducted by Robert Whitney. Here is combined the more conventional style of orchestral writing, with the "manipulated" sounds of the tape-recorder.

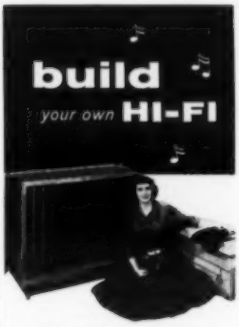
In 1954, the American conductor, Alfred Wallenstein, asked for a private hearing of all the tape music that had been composed up to that time, both singly and jointly, by Messrs. Luening and Ussachevsky. He then suggested that they expand two of their "solo" compositions, Luening's *Fantasy in Space* and Ussachevsky's *Sonic Contours* (both of which are available on the Innovations disc mentioned above), into a single larger composition for tape-recorder and orchestra. This has now been done. The resulting composition is called *A Poem in Cycles and Bells* and is available on a disc issued by Composers Recordings, Inc. Included on the same disc is a *Suite from King Lear*—a work created by both composers at the request of Orson Welles for his New York City Center production of Shakespeare's play. You will be amazed at the emotional reactions it evokes.

Has it occurred to you that it is possible to tape-record not only the sounds of musical instruments, but also other kinds of sounds? What happens to the recording of a human voice when it is played backward, or twice as fast, or slow . . . or what have you? What are the emotional effects of the sound of a dripping water faucet when the recording is manipulated in myriad ways? And suppose that conventional "musical" sounds were to be combined with, let's say, the chug of a barge on a river? To ears that are accustomed only to the conventional musical idiom of the last few centuries, the prospects might seem outlandish. But, if you would like a truly unique experience, I suggest that you listen to either or both of the discs issued by London Records, called *Panorama of Musique Concrète*. These contain the creations of the two leading French exponents of tape-recorder music, Pierre Schaeffer and Pierre Henry.

Here are some of the things to be found on the first disc. *Fleeting Percussion* by Henry makes use of the sounds of four drums, played at various speeds, and with the initial attack removed. *Mexican Flute*, by Schaeffer, is drawn from a little flute with six stops, *plus* the sound of a ring struck against the flute. With the addition of a certain amount of reverberation, a most poetic effect is achieved. Schaeffer's *Study for Whirligigs* is based on the sound of a child's whistling top! Henry has created a sixteen-minute dramatic cantata called *The Veil of Orpheus*, which involves the speaking voice against a background of manipulated sounds. In his *Railway Study*, Schaeffer has created a fascinating composition out of train sounds.

Do these concepts stir your imagination? Then, by all means, expand your musical horizons by listening to the results.

The second disc in the *Panorama* contains, among other things, a bird call, expanded into a composition, as well as a work created out of a single sound: a recorded vocalise on the spoken syllable *Ah*. Granted, the results would sound a little strange to Beethoven, but is that any reason for us to deny them a place in our musical vocabulary?



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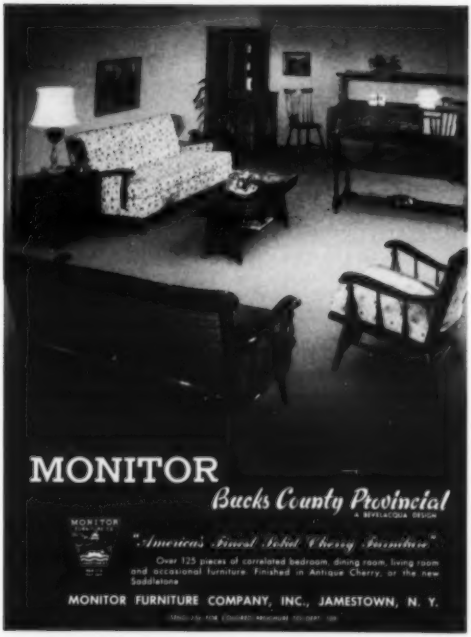

The youngest set

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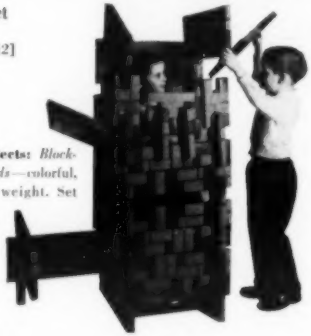

For budding architects: *Blockbuster Building Boards*—colorful, sturdy and light in weight. Set of 33 boards, $7.98. By Brrr Products

A card table is the base for a *Jiffy Play House* known as the *Kiddie Kottage*. Of brightly colored cloth, one open corner provides entry. F.A.O. Schwarz, $3.50

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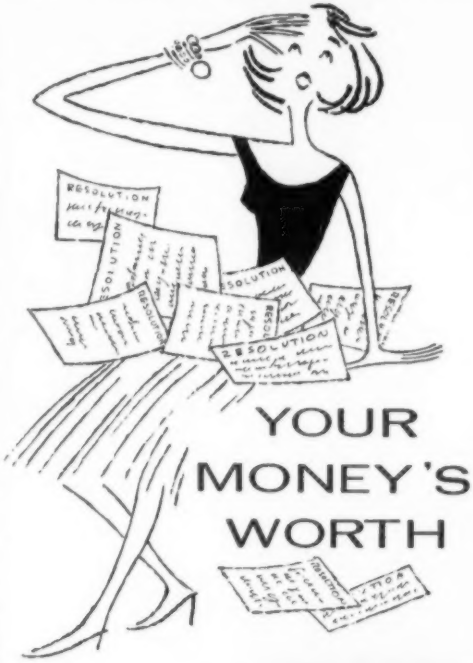

Dinner duet . . . a charming way to display those vital sundries such as: cigarettes, candies, saccharin, etc. Each gleaming, crystal-clear covered container measures 5¼" tall by 2⅜" in diameter. And why not parade them on your dressing table filled with powder puffs, bath salts, cotton, etc.? The pair at only $2.50, postpaid. Order from Seth & Jed (L-158), New Marlborough, Massachusetts.

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This young woman is doing what practically everyone (except paragons) does on January 1st: she is making a resolution. Other benighted souls may be resolving to read Bleak House *or give up the* Late, Late Show, *but not our girl: she's resolved to be a better shopper. How? With YOUR MONEY'S WORTH, that blessing to the budgeted search for the useful and the unusual. It can even help with remodeling and redecorating, and it requires nothing more than a little brisk work with a ball point. Remember, too, that all nonpersonalized merchandise—if not completely satisfactory—may be returned with the assurance that your money will be refunded in full.*

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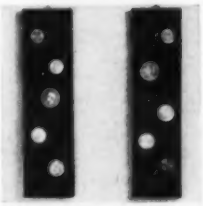
Frontier fringe by the yard. This popular fringe can be sewn on by hand or with any sewing machine. Ideal for trim on children's garments, pillows, bedspread, draperies, tablecloths, etc. The fringe of simulated leather vinyl plastic is completely washable and comes in saddle, white, pony, black, natural or brown. A three-yard package good for three articles of clothing, $1.00, ppd. (catalogue on request). Frontier Fringe (L158), 230 East Ninth Street, New York 3, N.Y.

St. Fiacre, Patron Saint of Gardens, is an originally sculptured design by Lee Burnham. Beautifully modern in its simplicity yet classical in feeling and sentiment, St. Fiacre is 20 inches high with an 8" x 6" oval base: in terra cotta, white or brown. The heavy and nonfragile work is ideal for garden, birdbath, fountain, flower arranger or to enhance interior décor. Each statue is signed by the artist. $40.00 includes packing and shpg. (free brochure). From Lee Burnham Studios (L158), P. O. Box 385, Hawthorn, Fla.

Vision in velvet: this handsome chair bears an impressive price tag. Upholstered in spotproof velvet in rose, gold, turquoise, Wedgwood-blue, royal purple, flame, lipstick-red, mauve, brown, sage, leaf or emerald-green (samples upon request), $36.50. In muslin or own material (3 yds. 54" wide or 4½ yds. 36"), $30.50, both express chgs. coll. Constructed of native hardwoods, tempered steel-coil springs: seat 17½" high, 18" depth overall, 32½" high x 22" wide. Hunt Galleries (L158), Box 492, Hickory, N. C.

Coins from the world round are artistically mounted on 1"-thick black Danish cork, 12" long x 3" wide. The interesting texture of the cork against the shiny brilliance of the coins make these wall plaques an eye-arresting motif for the living room, den, foyer, etc. Comes assembled and ready to hang. Set of two, $3.00, ppd.; $5.75, ppd. set of four. Order from The Studio (L158), Post Office Box 27125, Los Angeles 27, California.



Primitive native sculpture is fast becoming an important decorative accessory. A good example of this is illustrated by the Uganda tribesmen. Hand-carved, African rosewood baboon is beautifully grained with a hand-rubbed finish and stands approximately 6" tall. Place this sculpture on a room divider, bookcase, coffee table or use as a unique paperweight. $2.95, freight collect. From Hybern Imports (L158), 2140 Hyperion Avenue, Los Angeles 27, California.

Portrait of a Lady, Toulouse-Lautrec's intriguing sketch done in rich sepia, now available in limited edition lithography. The 27½" x 19¼" poster is done with incomparable skill and faithfulness to Lautrec's original by the official lithographer to the Louvre, Fernand Mourlot, acknowledged the world's greatest printer. The stone has been broken after 200 prints, as is his custom, to insure rarity, increasing value of each poster. $7.95 each, ppd. Wilson-Irving Co. (L158), 270 Madison Ave., New York 16, N. Y.

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Handsome ceramic apothecary jars, authentic 16th-century reproductions, are wonderful for holding candy, popcorn, snacks, cigarettes. And if you're looking for a table accessory that's unique, these jars are bound to please you. They stand 11" high with a 4½" base and are hand-decorated in 22-carat gold with multi-colored inscriptions. The price is right too: $6.95 each, ppd. Robin's (L158), 2231 Butler Ave., Los Angeles 64, Calif.

To my Valentine: an original charcoal portrait done from a favorite photograph makes a unique and lifetime gift. Send a clear photo or snapshot for which you will receive a 16" x 20" finished portrait with matte frame done by talented artists. Photos are carefully handled and returned. Portrait will not smudge or wear out. $14.95, ppd. Full color pastel and oil portrait information upon request. Headhunter Studios (L158), Box 501, Times Square Sta., New York 36, N. Y.

Large end table crafted of solid cherry wood emulates the function of early American design. The table measures 22" wide, 18" deep, 25" high and comes with a generous drawer for odds and ends, a shelf for book-magazine storage. Finished in natural cherry, the table is $39.95, exp. coll.; kit price, $29.95. You'll find that this end table will adapt itself to contemporary as well as traditional decoration. Cherrycraft (L158), Pittsford, N.Y.

Tramp, tramp goes the overshoe brigade right into this dandy rack. No more dripping of mud, snow or water if your overshoes are kept in this compact, rust-proof rack that measures 8" x 24" x 8" high and holds 5 to 6 pairs of outdoor footwear. Each overshoe suspends through a polished chrome loop and enables boot to dry thoroughly. $3.98, ppd. Jeff Elliot (L158), Flushing 52, N. Y.

Mosaic revival comes to you in this do-it-yourself wall-hanging kit. It includes: plywood board, special adhesive, grouting cement with coloring compound, hardware and about 400 genuine imported glass mosaic tiles in 7 to 12 brilliant colors. Predesigned, 9½" x 19½", color numbered, trace-down patterns and complete instructions insure success. Choice of 3 patterns: rooster, lobster and leaves. $9.95 each, ppd., tile nippers $2.95 a pair, ppd. Design Craft (L158), 504 Interurban Bldg., Dallas 1, Texas.

Poor pitiful Pearl is a comely, forlorn, wistful, pathetic creature just yearning to be loved and cared for. But she changes from rags to riches with a little bit of care and a carrying case filled with new shoes, socks, party dress and crinoline. 8 hairdos can be tried on her long, washable *Saran* wig (instruction book included). Legs and body wired so she can sit, stand, kneel or bend. All vinyl, 18" long, moving eyes, and she can be "adopted" for $9.98, ppd. Brown & Kane (L158), 800 Broad St., Newark, N.J.

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About the Authors

DR. HANNAH STONE and DR. ABRAHAM STONE founded the first Marriage Consultation Center in America. Dr. Abraham Stone is now the Medical Director of the Marriage Consultation Center of the Community Church and of the Margaret Sanger Research Bureau. He is on the faculty of N. Y. U. College of Medicine.

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A pouch full of candy, snacks or shrimp with party personality. If you think only children will take delight in this 14"-high kangaroo server, just test its reception at buffets, bridge parties and luncheons. Gracefully designed with two large, unbreakable styrene dishes in pastels, the kangaroo form is finished in gold. Priced at $2.79 each, ppd. Wacker House (L-158), 180 N. Wacker Dr., Chicago 6, Ill.

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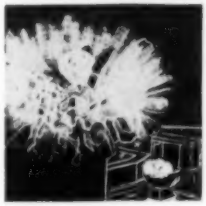

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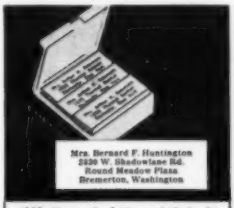

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A wine server for that extra-special dinner. The wine basket is molded of white *Fiberglas* marbelized with gold and has a richly embossed handle. A specially designed wine cloth, in a colorful vintage pattern with famous wine labels as the motif, accompanies each basket. Wine server and 20" x 20" napkin, all for $5.50, ppd. Ability Products (L158), 2020 North Lincoln Avenue, Pasadena 3, Calif.

À la carte, an exciting server made of golden, polished brass in scrolled design with two 18" diameter sparkling glass tiers. A glamorous setting for party snacks or to stack high with presents and wheel to the party, the wagon is 30" high, rolls on sturdy wheels, knocks down to ship and store easily. $15.95 plus 50c shipping charges. Heidi Herwig (L158), 609 West Elm Street, Chillicothe, Ill.

Salad servers hand-carved by members of the Akamba tribe in Central Kenya. The set is carved of richly grained, brown *Mvuli* wood. The handles resemble the Akamba native heads and are adorned with wire neck decorations. A truly unique example of native craftsmanship, the set measures 13" in length. $3.95, ppd. Shopping International, Inc. (L158), 65 Court Street, White Plains, N. Y.

The handiest record rack you'll ever find is this one of hand-crafted knotty pine which can store and file 225 records—all sizes (12", 10", 7") in jackets, in albums or out. Twelve spacious compartments have brass title card plates for arranging alphabetically, by music type, etc. Spacious top surface for a lamp or record sorting; finished in honey-tone pine or maple. 24"x11½"x31" high. $17.95, exp. coll. One-hour-assembly home kit $10.95, postpaid. Order from Yield House (L158), N. Conway, N. H.

Lucky to light with, the *7-11 Lucky Lighter*. Here is a most entertaining and serviceable desk or table accessory. A real dice cup made of glass, trimmed in brass, topped by an imported cigarette lighter and holding a pair of red, green or white dice. It's sure to be a winner every time. The allover measurement is approximately 2" x 5½" high and the stake is only $4.50, ppd. The Mt. Kisco Mail Box (L158), Mt. Kisco, New York.

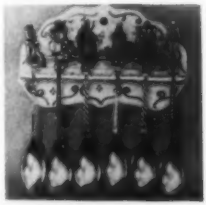
Table talk from Denmark. Service pieces and cooking utensils matched and designed for open-fire as well as oven cooking. The porcelain Viking ware in all white is available complete with lids, 2½ quart casserole, $11.00; 3-ounce butter melter, $4.00; 1½ quart saucepan, $7.50, all plus post. The Willow (L158), 182 West Fourth Street, New York, N. Y.

Armchair shoppers . . . order by mail

YOUR MONEY'S WORTH

Make note of this handy *Memo Master*. 900 inches of rolled paper, tear off as you need it. Ideal for the telephone doodler and those who leave memorandums for themselves as well as for others. The break-resistant plastic holder has space for pencil and notes. Use on desk or wall, the rubber feet are nonslip. *Memo Master*, $1.00 each, set of 3 refills, $1.00, ppd. Sunset House (L158), 83 Sunset Building, Los Angeles 16, Calif.

A first for the little folks. A pair of children's snowshoes made in an old New England shop by craftsmen skilled and experienced in making snowshoes for Royal Mounties, hunters, sportsmen, etc. And now they're available for the 4-to-10-year-olds. They'll have lots of outdoor fun with these completely safe and easy-to-use shoes. No instructions necessary. Size adjusts to child's foot. $12.95 per pair, postpaid. From Cape Cod Finishes (L158), 143 Main St., Cambridge, Mass.



Demitasse spoons in a lovely rack of their own are an appealing European custom. These sterling-silver spoons with handle medallions of assorted quaint Dutch designs are displayed on a charming hand-painted delft-blue rack . . . the scene is the Zuyder Zee with a simple scroll border. The 5" x 3" ceramic spoon rack is $2.75; the spoons, minimum order three, are 3 for $2.95; all ppd., shipped from Holland. Buckley's Imports (L158), 734 Seventeenth, Santa Monica, Calif.

Something new under the sun. Six brilliantly colored swizzle stick stirrers topped with tiny precision-built compasses. The translucent lucite stirrers are 6" high and include such colors as: avocado, fire-red, pearl, sun-gold, sapphire-blue and lilac. Here's a conversation piece that's bound to stir up many a comment. Compass has lifetime guarantee. Six gift-boxed, $9.00, ppd. Dozen, $17.50, ppd. Young Co. (L158), 7640 N. Milwaukee Ave., Niles-Chicago 31, Ill.

Space problems facing you? Here's a folding table top that increases the seating capacity of a standard card table to seven. The *Masonite* top (46" in diameter) cleats firmly to card table and folds easily for convenient storage. Available in natural, standard and the following *Flextone* colors: red, green, brown and gray. This ingenious table will serve you well for barbecues, game night and everyday dining. $8.95, ppd. ($9.95 west of Miss.). T-Top Table (L-158), Box 125, Middleton, Massachusetts.

Work gloves for the do-it-yourself set. Called *Pioneers*, the oil-, grease- and acid-resistant glove is made of tough cotton twill, covered with a flexible, black Du Pont *Neoprene* coating. They are ideal for the many rugged household jobs and also provide excellent weatherproof protection during the winter months. The gloves will keep the hands abrasion-free and the cotton lining will absorb perspiration. $1.29 a pair, ppd. Pioneer Rubber Co. (L158), Willard, Ohio.

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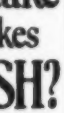

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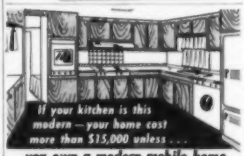

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Here's an idea to glamorize your old lamp shades or to protect your new ones. *Cover-Glo* is made of a metalized stretch material that will fit most any lamp shade, shapes and sizes 10" to 20" in diameter. It is completely washable and will not tarnish or shrink . . . an inexpensive way to change your color scheme. Comes in: white, pink or beige for only $1.50 each, ppd. (P.S. It's good for wastebaskets too.) Order from The Added Touch (L158), Wynnewood, Penna.

Adaptation of the old-fashioned butter churner. Its warm antique pine finish is a tradition in itself . . . door opens to reveal plenty of storage space for magazines, knitting, etc. Top diameter 16½", over-all height 25½". An early American piece of furniture that's bound to please both the eye and the pocketbook. $18.95 express coll. Jenifer House (L158), New Marlboro Stage, Great Barrington, Mass.

Hanging garden to be used indoors or out. This smooth, sturdy, natural western wood planter comes with its own gleaming brass chain, all ready for hanging. Perfect for ivy, philodendron, geraniums or other plants. Here's an unusual and lasting aid for the indoor gardener who wants to add a touch of charm to a terrace, kitchen, etc. 11" long and 8" high; width adjusts up to 12". $3.95, ppd. Stern's Nurseries (L158), Geneva, N. Y.

Perk up your shoe wardrobe, make them look like new again. Century Shoe Repair will remove your scuffed-up heels and replace them in your choice of shape, leather and height. (Measure heel from floor up to forward edge of heel.) Recovered heels in colored kid, suede or patent leather, $4.75 per pair. Alligator, lizard or reptile, $5.95 per pair; plus 75c postage. Write for free catalogue and mailing carton. Century Shoe Repair (L158), 206 Park Ave., Baltimore 1, Md.

A Dutch treat: Hand-hooked chair pads and welcome mat of rich, nubby beige cotton pile. To add a warm and dressed-up touch to your home, here are bright, cheery Pennsylvania Dutch designs. For over the chair seats and under the feet, the 36" x 18" welcome mat is $3.98; the pads measure 16" x 15", are $1.50 each. Add 35c per order. Helen Gallagher (L158), 413 Fulton St., Peoria, Illinois.

Antique automobiles—twelve of them, all different and colorful decal reproductions. They transfer easily to glass, china, plastic, tile, etc. You can brighten up candy dishes and ash trays, give individuality to a set of plain glasses or coasters, use the autos as a motif for bathroom wall tile. Set of 12 3" cars, $1.00; 4" cars, $1.50, all ppd. Jeb's (L158), On the Santa Fe Trail, Waverly 2, Missouri.

YOUR MONEY'S WORTH

Checkkeeper, a simple, systematic and permanent file for personal checks and all financial records. There's a place in the stub pockets for every returned check, deposit slip, bank statement, etc., that will assure a perfect bank balance. It will also provide you with legal proof of payment and verification of income-tax returns. Hard cover binder, set of files in snap-out cover, $3.98, ppd. 300 stub refills $2.98. Impact! Ideas (L158), 3407 Prospect Ave., Cleveland 15, Ohio.

Doll lounge fashioned after the popular adult model. Little girls will love to pamper their dollies on this chaise longue of sturdy aluminum tubing frame with plastic *No-Mar* leg tips. 25" long, 9½" wide and 12" high, it's upholstered in gay red or blue checked *Saran* plastic with adjustable back rest that locks in three positions. $3.00, ppd. Maxon Prod. (L158), Box 7, Dept. 6, West Bend, Wis.

Old shoes and rice are fine for weddings, but the shoes you wear should look like new—your purses and luggage too. A quick once-over and *Keithone Leather and Luggage Cloth* cleans and polishes all colored leather, rubber and plastic articles while *Silicone* penetrates surfaces to increase their life span. When the cloth gets soiled, it can be used inside out. $1 each, 3 for $2, all postpaid. Order from Walling Keith Chemicals, Inc. (L158), Birmingham 1, Alabama.

Indefinite life for new illuminated, custom-made house numbers. Handsome, colorfast acrylic plastic signs with aluminum back plates are serviced by two GE automotive lamps . . . no switch required, just hook up with doorbell push button. The panel's continual soft glow affords greater visibility: $6.95 each, ppd. Add 20¢ per letter if personal name or street is desired. Order from Calumet Plastics, Inc. (L158), 10213 South LaSalle Street, Chicago 28, Illinois.

Party favors that are fun for the whole family. This whimsical assortment of animals called *Party Spoofers* is charming used as place cards, a centerpiece motif or favors at a children's party. Set of twelve including cow, kangaroo, tiger, lamb, etc. Each one approximately five inches tall or long. Only $1.50 a set, postpaid. Order from Buyways (L158), Post Office Box 469, Caldwell, N. J.

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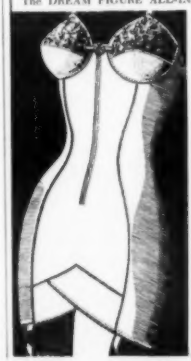

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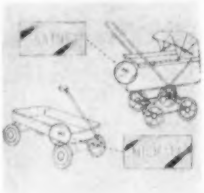
A 30-foot tale that will amuse the youngsters on rainy days. The picture story of *Hattie Hare* going from country to farm, to school, to the city and even to a circus on this 30-foot mat-paper scroll is just waiting to be unrolled and painted or crayoned by the whole gang at one time. An absorbing child's room display. $1.00 for 2 rolls, $3.79 for 8, ppd. Red Oaks (L158), Prairie View, Ill.

An eye-opener for the racy set: The binocular flask is molded of break-resistant polystyrene to look just like expensive binoculars. A party surprise, each side holds one-half pint of liquid. Flask includes carrying strap and attractive gift box. A perfect gift for the sportsman for travel, football games, auto-racing, travel, etc. $3.50, ppd. The Products Development Corp. (L158), 825 Cotton Exchange Building, Houston 2, Texas.



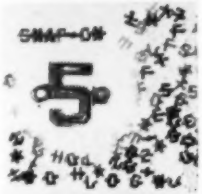
Toy name-plates will identify your child's toys and handsomely personalize baby strollers, carriages, etc. Highly polished ½" x 1" long brass plates are engraved with any first name in century-type letters. Easy to apply with the special self-adhesive backing, use on roller skates, wagons, trains, etc. It's an excellent way to keep the children's toys separated from your neighbors. Two for $1.00, ppd. Gift Engravers (L-158), 6349 N. Fairfield Ave., Chicago 45, Illinois.

Doll up a room with *Calypso Jo* and *Sweet Leilani*, a pair of braided yarn dolls. They're handmade with saucy faces topped with real hats and all-wool multicolor trimmings. Braided bodies impishly sit or recline, look graceful in any position: use as a throw on a bed, a rumpus-room chair, a crib or tack up on a wall. *Calypso Jo* has a beige or golden-bronze body; *Sweet Leilani* comes in turquoise, pink or yellow, both 18" long. $2.98 each, ppd. The Lewitt Co. (L158), Box 171, Cooper Station, New York 3, New York.

Little bankers trust their life-long savings to these appealing wooden doll banks. The 6 different dolls, representing animals, clowns, etc., are gaily enameled in colors, each with movable head and jingle-bell tie. Teaching your child the habit of saving will be a delight with these 6¾" high banks. Slot takes coins; bank unscrews at bottom; can be used over and over again. $1.00, 2 for $1.75, 4 for $2.95, ppd. Bowman's (L158), 2477 Lombard St., San Francisco 23, Calif.

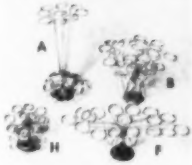
Don't delay . . . order today

YOUR MONEY'S WORTH



It's a snap . . . over 100 letters and numbers, one inch high, that snap together. They're made of soft plastic with little button-hole tips. Here's something that is not only decorative but educational as well. Monogram blouses, dresses, make belts and necklaces; word games can be played with them and Sis and Junior can learn the alphabet the fun way. Only 89¢, 4 sets $3.00, all ppd. Carol Beatty Co. (L158), 468 Beatty Building, Hollywood 46, California.

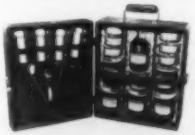
Wall book nook is a complete unit that gives you six feet of shelf space. It consists of two bookshelves of clear, kiln-dried pine, sanded smooth and ready for paint or stain. Each shelf measures 36" long, 8" wide with a 5" upright at each end. You receive two slotted strips 24" long, four adjustable brackets and screws. Finished in either black or silver-tone, or add $1.00 for brass plate. $14.50 complete. Exp. chgs. of $1.50 east of Miss., $3.50 west of Miss. Louvercraft, Inc. (L-158), 1185 2nd Ave., New York 21, N. Y.



Floral arrangements . . . by you. Achieve that professional florist's look with imported surrey flower supports with suction cup bases. Test your own artistry with countless unique arrangements combining flowers with candles and foliage. The supports, handmade of flexible, rust-resistant, fine-quality galvanized steel, can be twisted or bent to any desired shape. The set of 4 (including suggestions) $5.00; A, B, F, $1.50 each; H is $1.00, all ppd. The Peddler's Cart (L-158), Hubbard Wood Sta., Winnetka, Ill.

It's a family affair. A *Magica* soap-holding bath sponge for Mom, Dad and the children. Enjoy the luxury of soap foaming through the soft natural rubber sponge plus the 17" crystal-clear plastic handle that makes it so easy to reach the back. Can be used with or without the handle. Eliminates that endless groping for soap. $2.00, ppd. Model Service (L158), Box 777, St. Louis 1, Missouri.

A handsome cache: solid-brass candlestick holders only 2¼" tall. Your salmon supreme or sole à la maison won't be marred from view this time . . . and copper-colored eyes add that touch of difference. When the dinner party or seafood buffet is over, place them in the dining room, den, etc. Order an extra pair for the office or lodge too. $5.00 a pair, ppd. Order from The Cache (L158), 18 Hope Lane, Hicksville, New York.



All the trimmings to make your gayest party successful come in a 13" x 11" x 6" case, bound in ginger color Dupont *Sartex*. Traveling bar weighs only 15 pounds yet carries 22 ingredients for a grand party: metal cups, corkscrews, grog wrench, stirring spoon, tins of delicious spreads, orange slices, cherry and mint sirups, etc. Remove the goodies and you have room for 3 bottles. Complete with lock and key. $26.75, ppd. Saltwater Farm (L158), Damariscotta 61, Maine.

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THE STEAM IRON

The automatic steam-and-dry model, a time-, money- and energy-saver, has become a must for every household. Here is a roundup of information with a detailed chart of new models, new features

By ANNA A. NOONE

The automatic steam-and-dry iron is slowly but surely replacing the conventional automatic dry iron, even for heavy linens and starched cottons. This is particularly true of a recently introduced spray-steam-dry iron which sprinkles as it goes by spraying a fine mist into the path of the iron at the press of a button. With this added feature the need for sprinkling before ironing is eliminated. Users everywhere agree the steam-dry iron is a must in every home. (More than 15 million were sold in the last three years alone.) It saves the busy housewife time and energy on ironing day, cuts down on cleaning and pressing bills.

Latest models are lightweight, ranging from 2¾ pounds empty to 4½ pounds when filled with water. They are modern in design, with cool, well-balanced handles. Even when filled with water, they are easy to use and ride on a cushion of steam. Thermostatic temperature controls accurately hold desired ironing temperatures and are calibrated according to temperature degrees and to fabrics. Most of the 1958 steam irons feature easy-to-read fabric dials with six or more settings. These range in temperatures from very high for linens and cottons to very low for the various synthetic fabrics.

New steam irons feature permanently attached cords, some with swivel arrangements for right- or left-hand use; back rests, aluminum, brass or stainless-steel water reservoirs; from three to seventeen steam apertures in soleplate; water level indicators; button nooks and colored handles. Wattages are 1000 and 1100, and retail prices range from $8.88 to $19.95. The complaint that some steam-iron models tend to "spit" can usually be traced to users who fail to read directions. Tests show "spitting" is caused by overfilling the tank.

There are two general types of steam-dry irons on the market: flash and boiler types. Flash-type irons turn water into steam, drop by drop, as water falls from tank or reservoir, upon an inner hot plate. The majority of flash-type irons are ready for steaming within two or three minutes after being filled and plugged into an outlet. Flash-type irons usually have only one setting for steam. They can be used without refill for an average of one-half hour of steady ironing. They are easy to fill, through an opening conveniently located on handle front. Converting the iron from steam to dry and back to steam again is accomplished instantly at the flick of a switch on handle.

In the boiler-type steam iron, the water in the reservoir or tank must reach steaming point before the iron is ready for use. This takes as much as ten minutes in some models. However, the reservoir capacity of leading boiler-types is greater, providing longer ironing time, once the iron starts to steam. Converting the boiler type from steam to dry requires complete draining of water from tank. They have to be refilled each time for steam ironing. Both types are good. Choice depends upon the ironing habits of individual users.

Manufacturers freely recommend the use of tap water in areas where water hardness is less than three grains. Where the water is three grains hard or over, however, distilled water, clear rain water or demineralized water is best. (Hardness in water actually is dissolved calcium and magnesium salts. The amount of these salts varies in different geographic areas of the country, and must be measured by water-conditioning experts and chemists to accurately determine the parts per million (ppm) or grains per gallon (gr) of hardness. To be very specific, a grain is a unit of weight equivalent to about 1/200 of an ounce.)

Dirt and burned-on starch often accumulate on the soleplate of irons. For easy, more efficient ironing, it is important to keep the soleplate absolutely free from foreign particles. It is best to clean the soleplate when the iron is disconnected but still slightly warm. Either of two wax-paper methods may be used. For the first, run the iron quickly over a sheet of wax paper to apply a protective coating of wax. Use a steel-wool pad with some fine scouring powder, rubbing lightly, to remove stains. Wipe with a soft, damp cloth to remove scouring material. Rub warm iron over a blotter to remove any excess wax. For the second, after running iron over wax paper, sprinkle baking soda on a damp cloth. Rub ironing surface lightly. Wipe off with a clean, damp cloth and then dry thoroughly. The accompanying table (page 30) lists in detail features of leading steam irons.

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See the Carlton Sinks installed in the new Westinghouse "Golden Dreams" Kitchen

Actual photograph of Carlton Stainless Steel Sink (No. 2124) installed in combination with dishwasher in the Westinghouse "Golden Dreams" Kitchen. Now on display at Westinghouse Dealers everywhere.

CHECK-LIST OF 1957-58 STEAM IRONS

Company Trade Name Model Numbers	Type and Watts	Weight in pounds		Sole-plate	Ironing Surface Square Inches	Steam Apertures		Water Reservoir		Filler Location	How Convertible	Price	Other Features
		Empty	Full			No.	Location	Metal	Capacity				
CASCO Regular	boiler; 1000-W	3⅓	3⅞	aluminum	32	9	front ⅓	stainless steel	9 oz.	top case under handle	empty and fill	$16.95	6 fabric dial settings; water level indicator; easy *M-T* spout
De Luxe	boiler; 1000-W	3⅓	3⅞	aluminum	32	9	front ⅓	stainless steel	9 oz.	top case under handle	empty and fill	$16.95	handle in choice of 4 colors
DOMINION 1055	boiler; 1100-W	2½	2¾	aluminum	30	circle & 3 grooves	front center	aluminum	6 oz.	top front handle	empty and fill		6 fabric dial settings; iron rest available, extra
1070	boiler; 1100-W	3¼	3½	aluminum	30	circle & 3 grooves	front center	brass	6 oz.	top front handle			
DORMEYER *Iron-Well* No. 12	flash; 1100-W	3½	4	aluminum	30-31	7	point & outer edges	brass	8 oz.	handle front	switch in handle		6 fabric dial settings
EASTERN METAL *Emco* ST 3000	flash; 1100-W	3½	4¼	aluminum	34	10	front half	aluminum	8 oz.	lower handle front	switch in handle	$12.95	6 fabric dial settings; round, wrinkleproof heel
GENERAL ELECTRIC F-60	flash; 1100-W	3	3⅞	aluminum	30	7	front point, edges	brass	1 cup	center handle front	button switch in handle	$14.95	new cord lift keeps cord off ironing surface
spray-steam-dry F-61	flash; 1100-W	3¼	3¾	aluminum	30	7	front point and edges	brass	1 cup	lower center handle front	button switch in handle	$19.95	spray to sprinkle while ironing provided at press of button; water-conditioner included with each iron
HOOVER 4220	flash; 1000-W	3½	4	aluminum	27.7	8	along edge, channels to center	aluminum	7 oz.	front handle leg	thumb control	$16.95	6 fabric dial settings; cool-zone handle; button-saver tips
4330	flash; 1100-W	3½	4	stainless clad aluminum	27.7	8	along edge, channels to center	aluminum	7 oz.	front handle leg	thumb control	$18.95	7 fabric dial settings; 90-inch cord
KNAPP MONARCH (4 models) *Steam King* No. 20-550	flash; 1000-W	3¾	4½	aluminum		multiple vents	front and both sides	aluminum	8 oz.	front of handle	empty and fill	$15.95 $16.95	multi-fabric dial settings; black handle. 3 pastel colors; water level indicator
PROCTOR *Mrs. America* 993	flash; 1100-W	2 lbs. 13 oz.	3¼	aluminum	32	17	entire	aluminum	7 oz.	top front handle	flip switch in handle	$15.95	8 fabric dial calibrations, infinite settings; water chamber has anti-splash baffle; self-cleaning feed; funnel-shaped filler hole
SEARS ROEBUCK *Kenmore* 6277	flash; 1200-W	3¼	3¾	aluminum	31	13	entire area covered	aluminum	6 oz.	front	flip switch	$11.95	approx. 8 settings; 240-500°, giant fabric dial; full length steam channels; black and chrome controlled over-shoot
6214	boiler; 1000-W	3	3¼	aluminum	28	3	center front	brass	6 oz.	top front	empty and fill	$ 8.88	black and chrome trim
STEAM-O-MATIC DIV. RIVAL MFG. CO. DL-512	boiler; 1000-W	3	3½	aluminum	25½	continuous circle	toe	stainless steel	8 oz.	under handle	push-button empty tilt-top fill	$17.95	4 fabric dial settings; water level indicator
SUNBEAM S4	flash; 1000-W	2¾	3 lbs. 7½oz.	aluminum	30	9	inverted V from top	stainless steel	7½ oz.	front of handle	switch on front handle	$15.75	7 fabric dial settings; button nooks, curved stem-flow vents
TOASTMASTER DIV. McGRAW EDISON 4B2	flash; 1000-W	3¼	3⅝	aluminum	27	9	front and sides	aluminum	8 oz.	front handle	thumb control	$16.95	6 fabric dial settings; 7-foot cord
UNIVERSAL 1675 *Stewardess Travel*	boiler; 575-W	28 oz.	31 oz.	aluminum	21	8	front	brass	3 oz.	top	empty and fill	$12.95	6 fabric dial settings; water level indicator
Steam 'n Dry 1802	flash; 1100-W	3½	4	aluminum	32	13	along edges	brass	8 oz.	front	snap-action valve	$14.95	wrinkleproof heel; 6 fabric dial settings
WESTINGHOUSE 1S-5212	flash; 1000-W	3¼	3⅝	aluminum	28	15	along edges	aluminum	6 oz.	front	turn of fill dial	$15.95	open-handle; self cleaning needle valve insures constant water flow to steam channels
1S-5213 *Coppertone*	flash; 1000-W	3¼	3⅝	aluminum	28	15	along edges	aluminum	6 oz.	front	turn of fill dial	$17.95	coppertone finish

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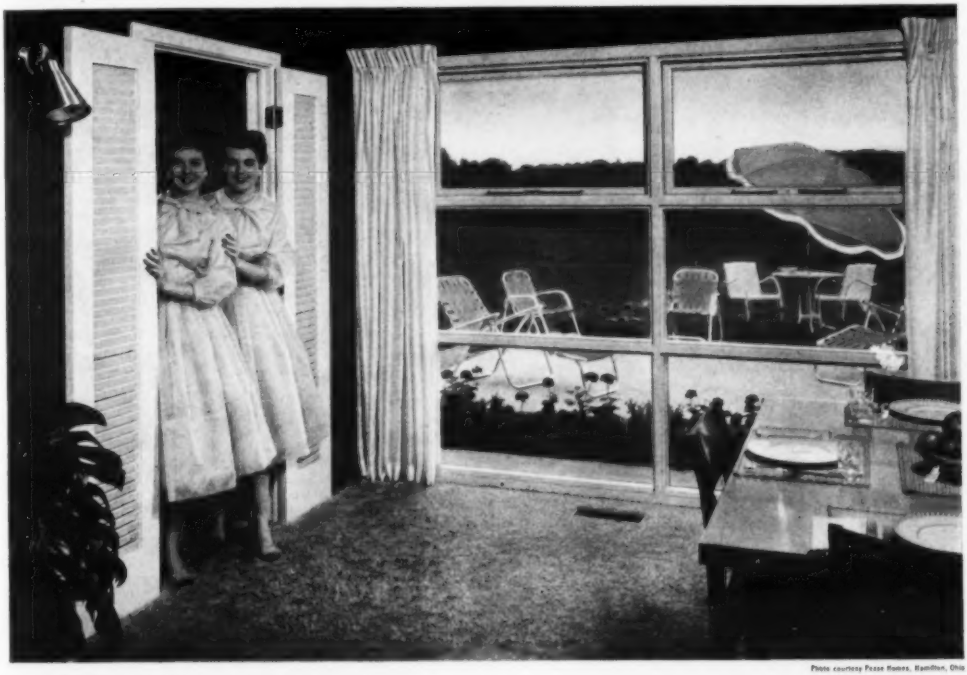
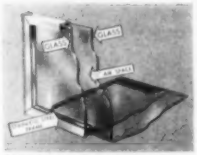
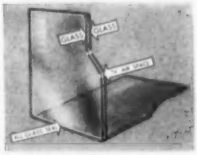


Photo courtesy Pease Homes, Hamilton, Ohio

TWO TYPES OF TWINDOW®



METAL EDGE. These units are designed for larger window areas and where maximum insulation is needed. They are constructed of two panes of ¼" clear vision Plate Glass, with a ½" sealed air space between them. The stainless steel frame protects the glass against chipping and creates exceptionally strong units.



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WHY PAY UP TO $200 EXTRA for so-called new air springs (they've been tried in buses for several years), when Dodge Torsion-Aire suspension is standard equipment at no extra cost on all Swept-Wing 58 models? That's a question Dodge dealers are asking new car prospects, and backing it up with a "test flight" in the new Dodge. Most noticeable difference between the two rides—Torsion-Aire vs. air springs—is the distinct freedom from lean or sway on turns with Torsion-Aire. "Air springs may be some improvement over old coil springs," states Indianapolis (Ind.) Dodge dealer H. E. Fadley, "but they don't begin to match the level, smooth ride of Dodge Torsion-Aire suspension. Why pay more and get less?" A lot of buyers seem to agree.

SWEPT·WING 58 *by* DODGE

Los Angeles: receiving line

Speaking of Living

Sacramento: television

When an *Electri-Living* home is opened to the public, the occasion has all the holding-of-breath and not a little of the glitter of a First Night on Broadway. Editors dress up and go forth, make speeches, cut ribbons, drink the wine of the region and are as captivating as possible. Heading the list—and the top of the page—we have **Editor-in-Chief EBE** holding forth at the recent opening of the Los Angeles house. With her are such dignitaries as architects **Don Palmer** and **William Krisel,** builder **Sanford Adler** and **Ivan L. Bateman** of the Los Angeles Department of Water and Power.

Television, too, claims its toll of LFYH interviewees, and next we see West Coast editor **NellaBelle Dickey** describing the Sacramento house to **Milly Sullivan** on the latter's KCRA program. Milly was so impressed that she may buy the house herself.

Filmed for NBC's *Today* show was the next little tableau. Scene: Tampa; occasion: the snipping of the ribbon for the opening of the Tampa house. Ribbon snipper: **W. C. MacInnes** of the Tampa Electric Company. Ribbon holders: LFYH promotion director **Ruth Adams** and **Joe Michaels** of NBC. Onlookers: Builder **Matt Jetton, M. M. Torres, Harry Herrington,** decorator **Edwina Black** and architect **Mark Hampton.**

All is not glamour at an opening. Witness decoration director **Guy Monypenny** and builder **Ray Ragsdale** behind the scenes with blueprints and a dishwasher in Brandon, Florida, where a replica was built of the Tampa *Electri-Living* home.

Down in Texas at the opening of the Houston house, editorial director **Bob Carrick** is the baritone in a nonvocal quartet graced by architect **Harwood Taylor,** interior decorator **Nell Hafkermeyer** and builder-developer **James Lyon.**

Up in Oklahoma City for the same gala purpose, Bob "saws" a ribbon with the help of **Mayor Street,** builder **James Reedy, Jr., Mrs. Lou Allard, Sidney Davidoff, Representative Lou Allard, Thomas Morris, Jay Hickox, Robert Wootten** and architect **Duane Conner**—a repeat performer.

Two new *Electri-Living* homes found themselves not only the talk of their respective towns but a handsome setting for that foible most women put on a basis with a good kitchen—a fashion show. In Tampa (below, right), the parade was organized by **Priscilla Parker,** fashion co-ordinator for Maas Brothers. In Greensboro, North Carolina (below, left), the latest from Paris (and points west) was supplied by **Montaldo's** and described by **Clara Martin** of radio station WBIG. Thus were our *Electri-Living* homes launched, and no one can say they were not properly christened. From now on, they're strictly on their own.

Tampa: cutting the ribbon

Brandon: behind the scenes

Houston: opening quartet

Oklahoma City: wooden ribbon

Greensboro: the Dior look

Tampa: the Balenciaga look

Living-conditioning

creates new trends in America's houses

Living-Conditioning is more than an editorial battle cry. It is a statement of fundamental principles defining a way of living that young homemakers *can* and *should* achieve today. With the cost of land and labor surging upward, we found the homemaker, the architect and the builder all increasingly occupied with *physical* space. Most consumers were purchasing their homes solely on the basis of size of plot and number of rooms. A favorable financing pattern (often the size of the down payment) was far more important than the physiological and psychological needs of the individual. In the average home, sound-conditioning—a factor reserved substantially for public buildings—was practically nil. This, despite the fact that increasing mechanical equipment in modern housing was scarcely conducive to an atmosphere of peace and quiet. Light-conditioning in the moderately priced home was unexplored in its effect on design and its contribution to comfort and safety. Space was treated traditionally, conventionally, rather than as an element to promote comfort and privacy for both family and individual, and climate-conditioning—a very significant factor—was regarded purely as a seasonal consideration, no more.

It was then that LFYH began its crusade for an entirely new approach to home-building. It was our purpose to prove that—despite rising costs—intelligent and imaginative planning could produce more genuine livability than was currently being offered the prospective homeowner. Eventually, through the study of the components that affect human well-being, the principles of *Living-Conditioning* were evolved.

Although space-conditioning was the crux of the program, we considered space in terms of comfort as well as cubic feet. We proposed that homemaker and builder evaluate a home in terms of *total living space*. This meant abandoning the conventional conception of a house and garden as separate entities. It meant the complete integration of indoors and outdoors to insure the maximum use of the site—the maximum return on an investment in high-priced land.

Here then was a concept of housing that faced up to the economy of our times. To it, we added the other elements of *Living-Conditioning:* light, color, climate, sound and safety—all contributors to the enrichment of space in terms of comfort and convenience. The program, faithfully followed, could result in homes not only aesthetically satisfactory and economically sound to begin with, but virtually insured against obsolescence—not forever, of course, but probably for the duration of the mortgage involved in their purchase.

We have steadfastly pursued this crusade for better living since 1954, and its influence has been felt by homemaker, builder and architect. The standards for which we have been campaigning are becoming more widely appreciated and accepted. Now, in January, 1958, we have an exciting progress report to make. Here are ten houses that demonstrate the growing influence of this program on American design. As a group, they prove that the rich rewards that accrue from *Living-Conditioning* are well within the reach of young homemakers. (Costs naturally reflect regional variations, but these averages, taken of the group as a whole, provide a common denominator that can reasonably be used as a point of reference: cost of basic house, including heating, $17,650; cost of appliances and equipment, including cooling, $2,530; cost of land and landscaping, $5,575; and cost for full architectural services, $1,482.) Individually, the houses reflect a refreshing trend toward more creative thinking and the solution of regional problems within the framework of *Living-Conditioning*. They are, in effect, the trend-makers that will help shape the course of residential housing in 1958 and for some years to come.

How to evaluate space in terms of comfort

Perhaps in no other city in the country do so great a number of its citizens travel so far to their respective businesses as those hardy souls who live in the communities that make up the city of Los Angeles. As the city spreads outward to the mountains and the valleys, each mile increases the importance of the daily commuter's destination—*home*. It is not surprising that once he gets there he wants to stay there, and—in this particular instance—so did we. Considerably farther than the eventual owners will travel in the course of a day, we had rumbled 3,000 miles to view, to work and literally to live in this house in the community of North Ridge. As in each of the *Living-Conditioned* homes, the editors of LFYH are the first "residents," and although our occupancy is all too brief, we are there long enough to evaluate its function as a machine, its livability, comfort and enjoyment, and through the unrelenting eye of the camera—its subtleties and showmanship, its charm or lack of it. On first sight, our impression was one of surprise. Having worked with the blueprints since their inception, we were familiar with the plan and knew that the area of enclosed space was 1,662 square feet. Yet here, a man-made reality set against a background of purple mountains, it appeared to be twice its calculated size. A formidable barrier establishing at once its occupants' right to privacy, it extends almost the full width of the property. By day, the sun creates a continuous pattern of light and shadow on the masonry block walls, and at twilight, a new spectacular in the drama-conscious San Fernando Valley is created by the magic of night lighting. Inside the house, the impact of space is constant. Divided into sections, the large central block expresses the congeniality (or, if you will, the individuality) of family living. It is an area partitioned by activity and furniture arrangement rather than by confining walls to define living and dining, the preparation and storage of food. Three bedrooms and two baths form another block, seemingly remote, but actually removed only by a corridor which forms a buffer between family and individual. The interior areas extend into their outdoor counterparts visually and practically. The terrace and patio are protected by walls and planting to act as moderators between the meticulously conditioned indoor climate and the natural elements of the outdoors. It is reassuring to know that the future owners will be investing in a property that represents livability in every square inch of its land and structure.

BUILDING DATA
LOS ANGELES, CALIFORNIA

Architects: **Palmer and Krisel, A.I.A.**
Builder: **Sanford D. Adler**
Utility Co.: **Los Angeles Dept. of Water and Power**
Color consultant: **Doris Palmer**

FOUNDATION
poured concrete slab: **Portland Cement Assoc.**

INSULATION
rock wool batts: **The Celotex Co.**

FLOOR SURFACING
vinyl asbestos: **Mastic Tile Co.**

EXTERIOR WALLS
stucco: **Portland Cement Assoc.**
masonry veneer: **National Concrete Masonry Assoc.**

INTERIOR WALLS
dry wall: **Blue Diamond Corp.**
Pegboard: **Johns-Manville**
bathroom walls: imported mosaic tile

CEILING SURFACING
exposed beams: sandblasted and stained

ROOF SURFACING
built-up: **Ruberoid Co.**

PAINTS & STAINS
exterior: **Sinclair Paint Co.**
interior: **Dunn Edwards Corp.**

DOORS
exterior & interior: **Simpson Logging Co.**
closet, louvered folding: **Fenestra, Inc.**

WINDOWS
jalousies: **Aircentral**

SCREENS: Aircentral

HARDWARE: Schlage Lock Co.

HEATING & COOLING
Payne Mfg. Co.

PLUMBING FIXTURES
Universal-Rundle Corp.

BATHROOM
accessories: **Hall-Mack Co.**
medicine cabinet: **Jenson Industries**
counter top on lav: imported Italian marble
shower enclosure: **American Shower Door Co.**
shower fitting: *Hydroguard,* **The Powers Regulator Co.**

WATER HEATER
Westinghouse Electric Co.

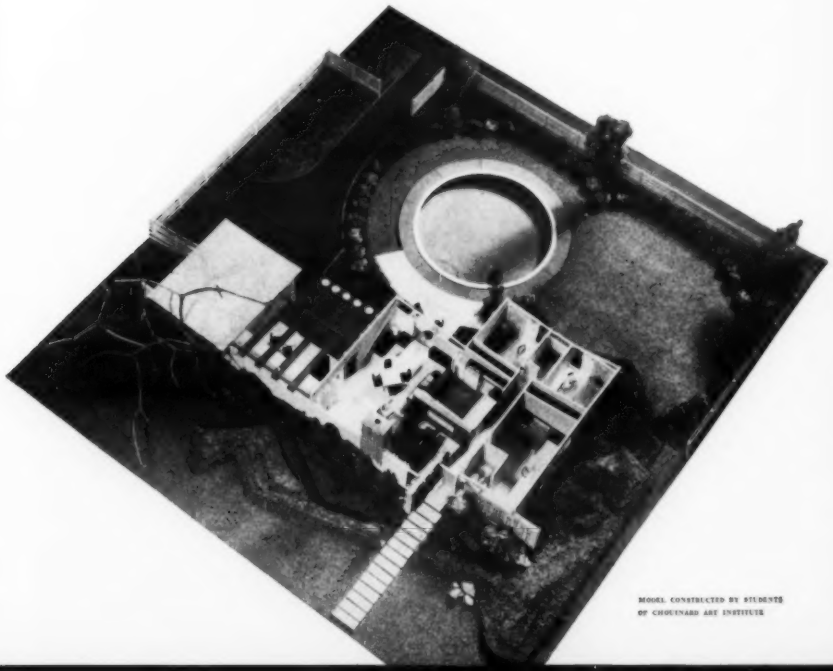
ELECTRICAL EQUIPMENT
panel board & circuit breakers: **Zinsco Electric Products**
lighting fixtures: **Lightolier Co.**
dimmers: *Luxtrol,* **Superior Electric Co.**

KITCHEN EQUIPMENT
Westinghouse Electric Co.
fan: **NuTone, Inc.**
tile counter: **Gladding McBean & Co.**
cabinets: **Anderson Cabinet Co.**

RADIO INTERCOM SYSTEM
Musi-Vox Electronic Co.

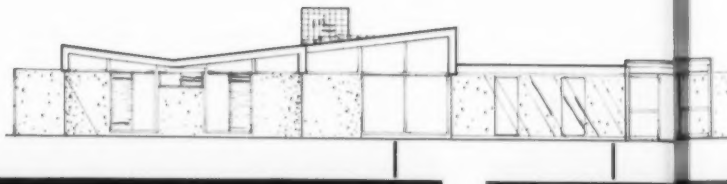
OUTDOOR LIGHTING
fixtures: **Lightrend**

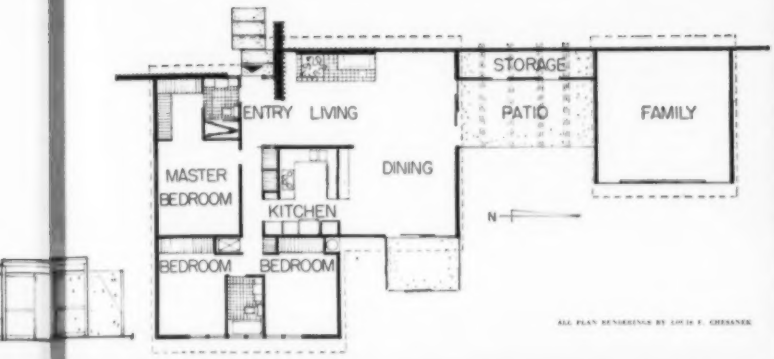
Dramatizing the worldly side, emphasizing the privacy and comfort within, the exterior lighting in the photograph above is indicative of the pride of ownership all young homemakers enjoy in the transition from the world of business to the world of the home. Above opposite: the architects have compartmentalized the areas of activity in sections to control sound. On the left is the "quiet" wing of three bedrooms and two baths. Each room is sound-protected by closet walls and segregated from the living and work areas by a corridor housing the heating and cooling equipment, linen and closet storage. The second section—the living-dining-kitchen area—extends to a storage space of 90 square feet and a patio connected with the carport which, for use as a play or family room, has a glass-enclosed façade. A dividend in livability, each area, enhanced by outdoor lighting, extends visually and practically to the boundaries of the enclosed plot



MODEL CONSTRUCTED BY STUDENTS OF CHOUINARD ART INSTITUTE

The architects of the *Living-Conditioned* home in North Ridge have achieved space at a reasonable cost in two ways: first, through economical construction methods and an adept use of materials; second, by relating enclosed space to the total property to create the most explicit relationship possible between indoor and outdoor living. This space, conditioned by light, color, climate and sound, is a reiteration of the fact that space is valuable in proportion to the comfort it provides





ALL PLAN RENDERINGS BY LOUIS F. GHISANEK

Space is gained in the living-dining-kitchen section by treating it as one large central entity. The kitchen is obscured from the formal living area by a walnut-paneled wall which channels traffic to the dining and family area opposite the open end of the kitchen; the living area proper is defined by its furniture grouping (also shown on the front cover). The extraordinary illusion of space is created by the lofty beamed ceiling, the transom sash windows on either side of the fireplace, the glass wall that frames the fence-enclosed outdoor vista, and the patio which connects the house with the carport. The latter, incidentally, offers a number of interesting possibilities for future expansion. Seen below: a guest or child's room facing the swimming pool and garden

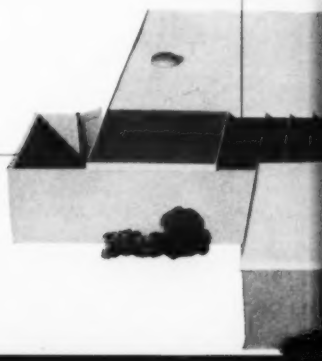
GEORGE DE GENNARO

DECORATION: DWIGHT E. HOOK, JR.

ELECTRI-LIVING
CONDITIONED

The sound economy of total space planning

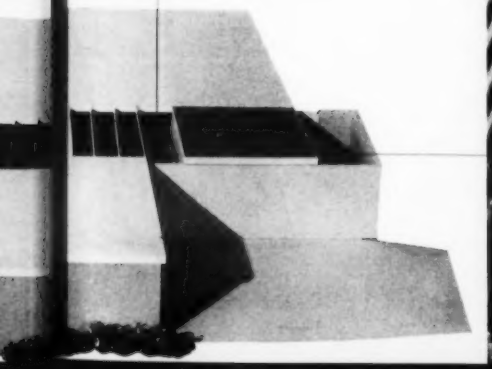
Twin patios (right) flank the entrance walk. One, opening off the family room, is used for dining; the other serves as an extension of the living room that opens onto it. Caladium plants in white frames decorate the masonry wall. Another patio (on the opposite page) off the master bedroom affords parents privacy and seclusion. This has its counterpart in the children's patio (left). It's next to the music room and is planned for games and juvenile parties



In an era when land costs are taking such a sizable portion of the total home dollar, we can no longer afford to consider any part of the site as window dressing. In seeking more living space for our dollar, it is only sensible to evaluate the use of the total property in terms of livability. In the ELECTRI-LIVING home in Houston, Texas, architect Harwood Taylor has done just that. He has, in a sense, designed a contemporary house according to the traditional concept that home is the private world of those who live within its protecting walls. With the exception of a meager, but adequate, concession to automotive transportation at the entrance, the 75-foot plot is all house. He has apportioned the total space into thirteen definable areas. Six of them, since they are open to the sky, may be termed outdoor rooms, but they are every bit as serviceable as those under roof—a prime example of space-conditioning in the small home. Because the house was built on level land and surrounded by flat terrain, Taylor has created vistas within the walls by a series of patios running the length of the house, front and back and separated from inside rooms by sliding glass doors. The organization is such that indoor and outdoor areas contribute—each to the other—in both size and function. For those who crave ostentation, the exterior design may be overly simplified; for those whose full concern is space—applied and conditioned for comfortable family living—this house is a distinguished effort to that end.

JOHN ROGERS

More outdoor rooms, enclosed by a roof-high fence, extend across the back of the house. On the left-hand side, one large area, adjacent to the children's wing and family room, was appropriately used as a play yard and equipped with plastic wading pool, jungle gym and sandbox. On the opposite side, separated partially by the projecting storage room, is a barbecue area that has easy access to kitchen and living room via sliding glass doors

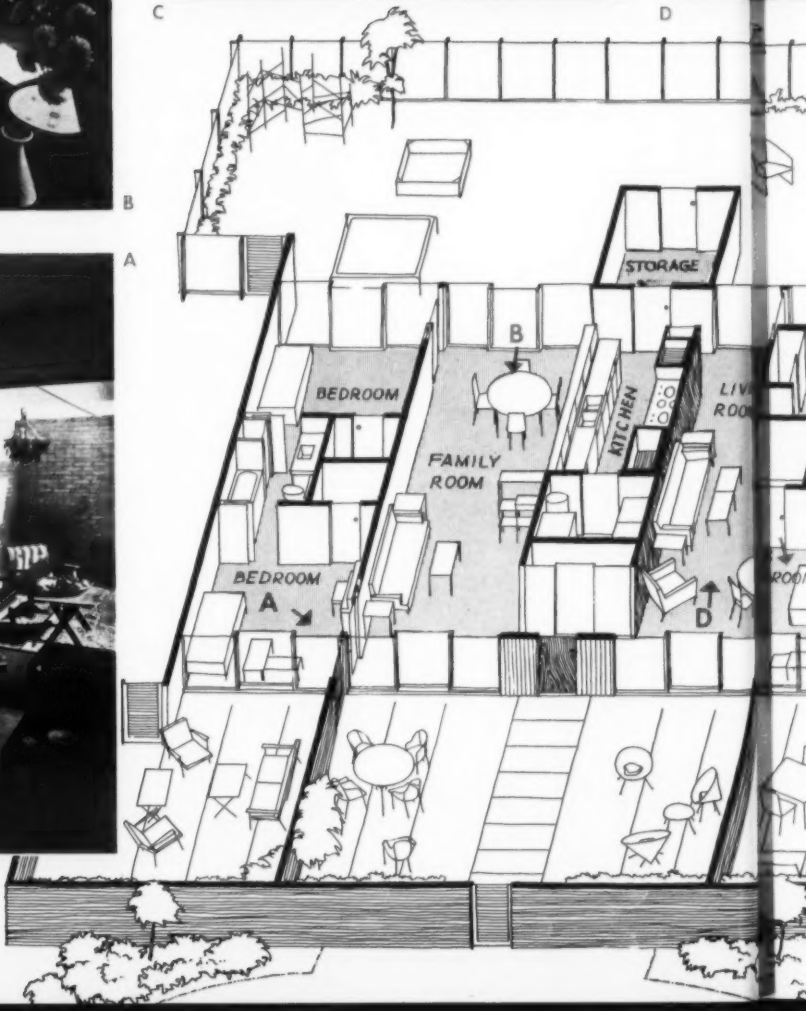


B

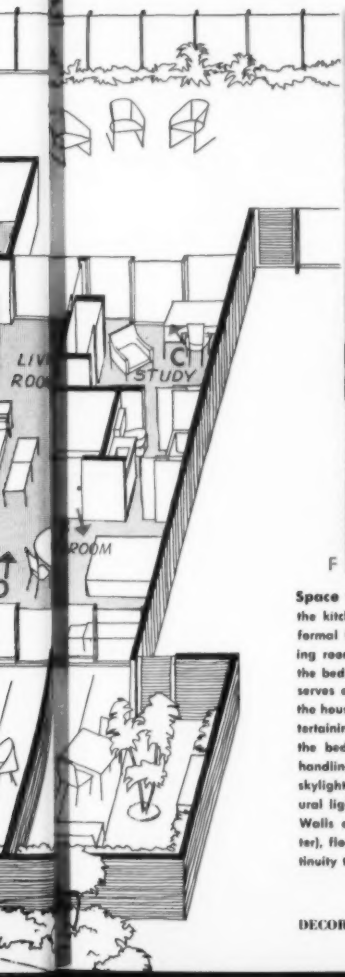
C

D

A



E



F

Space was organized with geometric simplicity around the central core of the kitchen-utility area which bisects the house into zones for formal and informal living. On the left, the children's wing consists of a series of connecting rooms running from the party-patio and music room (A) in front through the bedroom to the play yard in the rear. The family room (B) adjacent to this serves as a common recreation center and dining room. On the other side of the house the living room (D–E) was planned and furnished for more formal entertaining. Next to this the master bedroom suite has its private patio off the bedroom (F), bath and study (C) facing the barbecue terrace. This deft handling of space is further enhanced by light- and color-conditioning. Domed skylights, for example, fill inside areas like the kitchen and baths with natural light. The patios are floodlit so they are as effective by night as by day. Walls and ceilings are white (except for walnut-paneled kitchen-utility center), floors are off-white terrazzo. All of which produces a freshness and continuity that accentuate the flow of space from room to room, lot line to lot line

DECORATION: THE DECORATING STAFF OF JOSKE'S OF HOUSTON

BUILDING DATA

Houston, Texas

Architect: **Neuhaus & Taylor, A.I.A.**
Builder: **Houston Home Builders Assoc. & J. E. Lyon Development Co.**
Utility Co.: **Houston Lighting & Power Co.**

FOUNDATION
concrete slab, **Portland Cement Assoc.**

DAMPPROOFING
Visqueen, **Visking Co.**

WOOD PRESERVATIVE
Woodlife, **Protection Products Mfg. Co.**

INSULATION
rock wool blankets, **National Gypsum Co.**

FLOOR SURFACING
terrazzo: **National Terrazzo & Mosaic Assoc.**

EXTERIOR WALLS
cement asbestos board: **National Gypsum Co**
brick, **Structural Clay Products Institute**

INTERIOR WALLS
gypsum wallboard, **National Gypsum Co.**
walnut veneer, **United States Plywood Corp.**
bathroom walls, **The Formica Co.**

ROOF SURFACING
built-up, **National Gypsum Co.**

PAINTS & STAINS
exterior, **Samuel Cabot, Inc.**
interior, **Napko Corp.**

DOORS
sliding glass, **Sun Valley Industries, Inc.**
flush panel, **Reddis Plywood Corp.**

WINDOWS
fixed glass: **Pittsburgh Plate Glass Co.**

HARDWARE: **Schlage Lock Co.**

HEATING & COOLING: **Mitchell Mfg. Co.**
controls: **Minneapolis-Honeywell Regulator Co.**

PLUMBING FIXTURES
tub: **American-Standard**
lavatory: **Case Mfg. Corp.**
toilet: **Case Mfg. Corp.**
kitchen sink: stainless steel, **Elkay Mfg. Co.**

BATHROOM
accessories: **Hall-Mack Co.**
toilet seat: **C. F. Church**
built-in lavatory, custom-built
fittings: *Hydroguard*, **The Powers Regulator Co.; Moen Valve Co.**
tub enclosure: *Gulf Spray*, **Binswanger & Co.**
vent fan: **NuTone, Inc.**

WATER HEATER: **Rheem Mfg. Co.**

ELECTRICAL EQUIPMENT
panel board & circuit breakers, **Square D Co.; Zinsco Electrical Products**
wire, conduit or cable, *Romex*, **General Cable Corp.**
dimmer, *Luxtrol*, **Superior Electric Co.**
lighting fixtures:
Lightolier Co.
Prescolite Mfg. Corp.
Litecraft Mfg. Corp.

KITCHEN EQUIPMENT: **Hotpoint Co.**
refrigerator & freezer, 2-Zone **Manitowoc Equipment Works**
cabinets: custom-built
counter tops: **The Formica Co.**

LAUNDRY EQUIPMENT: **Frigidaire**

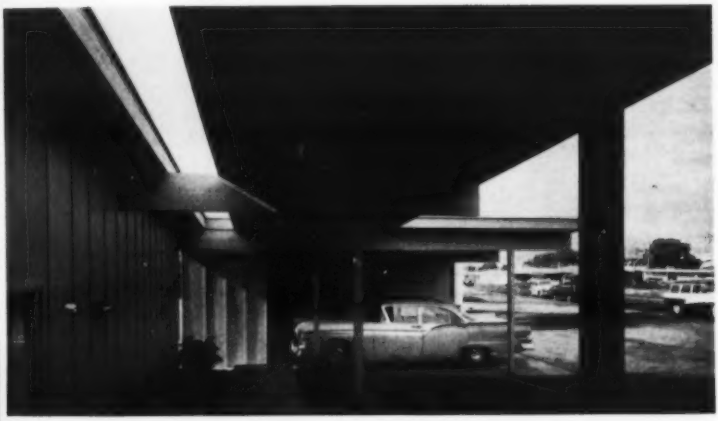
SKYLIGHTS
Naturolite, **Plastic Products of Texas**

Streetside elevation is that of a low, one-story house, while side and rear elevations rise to a full two stories; it is consequently possible to have terraces at the lowest as well as the intermediate level. Roof slopes extend unevenly—the longer slope starting over the two-story area and continuing down over carport with a deep overhang extending from carport to entry. To disrupt any cavernlike feeling at this point, the architect has provided an 18-inch-wide slit in the overhang that creates more light for the kitchen (whose windows are immediately adjacent to the entry) and an interesting play of shadow for the front façade

ERNEST BRAUN

ELECTRI-LIVING
CONDITIONED

Triple-barreled answer to space



In sweep and line and color, this house in Boise, Idaho, is an almost literal translation of its landscape. A single story high on its streetside elevation, a full two stories at the rear, it lies on its sloping site with impressive serenity—a canny arrangement of levels designed to extract the maximum living potential from a hillside plot. Since the ground slopes from left to right as well as from front to back, three levels are possible: a formal, adult area is the first and lowest; an intermediate level holds the kitchen, dining area and family room, and a top, third level houses all sleeping quarters. Thus, as disarmingly simple as 1, 2, 3, segregation of children and adults, activity and quietude, is completely assured. Nor do the virtues of the house end there. It is completely heated by a resistive electric coil system installed in the plaster ceilings. There is no utility room, no furnace, no fuel storage. Moreover, it is a system engineered to the point where it is virtually a guarantee that the house can be heated for only $168 a year. Inside and out, the lighting is impeccable—decoratively and functionally. And finally, in the color-conditioning, there has been a deliberate borrowing from the environs: there could be no better nor more logical palette for a house so situated than the hues of the surrounding mountains with their sagebrush and flowers.

BUILDING DATA

Boise, Idaho

Architect: **Joseph M. LaMarche, A.I.A.**
Builder: **Ralph R. Sherman**
Utility Co.: **Idaho Power Co.**

FOUNDATION
poured concrete slab, **Portland Cement Assoc.**

DAMPPROOFING
Visqueen, **Visking Co.**

INSULATION
exterior wall, *Fiberglas*, **Owens-Corning Fiberglas Corp.**
thermal, *Thermo-Cell*, **Thermo Insulation, Inc.**

FLOOR SURFACING
vinyl asbestos, **Armstrong Cork Co.**
bath, *Amtico*, **American Biltrite Rubber Co.**

EXTERIOR WALLS
insulite primed siding, **Minnesota & Ontario Paper Co.**

INTERIOR WALLS
Sheetrock, **United States Gypsum Co.**
shower & tub splash, **The Mosaic Tile Co.**

BUILT-UP ROOF: Pabco Products, Inc.

PAINT
exterior & interior, **Devoe & Raynolds Co., Inc.**

DOORS
exterior & interior, *Roddiscraft*, **Roddis Plywood Corp.**

WINDOWS
glass sliding, **Sun Valley Industries, Inc.**
fixed glass, **Libbey-Owens-Ford Glass Co.**
hardware, **Weiser Co.**

HARDWARE
kitchen cabinets, **Washington Steel Products, Inc.**
sliding door, *Stanley*, **The Stanley Works**

HEATING
resistive coils, **General Electric Co.**

FIREPLACE
Terracrete patio blocks, **Boise Concrete Specialties**

PLUMBING FIXTURES: Briggs Mfg. Co.

BATHROOM
accessories, **Hall-Mack Co.**
medicine cabinet, custom-built
shower fitting, *Hydroguard*, **The Powers Regulator Co.**
shower enclosure, *Trimview*, **Metal Products**
vent fan, **Trade Wind Motorfans, Inc.**
counter top on vanity, *Textolite*, **General Electric Co.**
heater, *Glassheat*, **Continental Radiant Glass Heating Corp.**

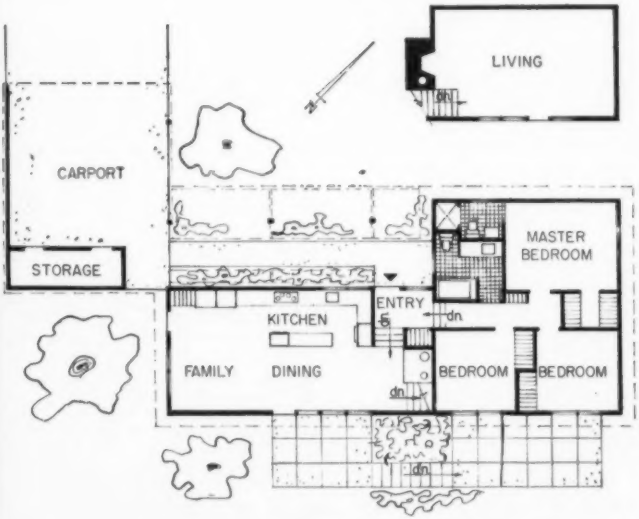
WATER HEATER: Rheem Mfg. Co.

ELECTRICAL EQUIPMENT
panel board & circuit breakers, **BullDog Electric Products Co.**
switching, **General Electric Co.**
dimmer, *Luxtrol*, **The Superior Electric Co.**
lighting fixtures, **Progress Mfg. Co., Inc.; Moe Light, Thomas Industries, Inc.**

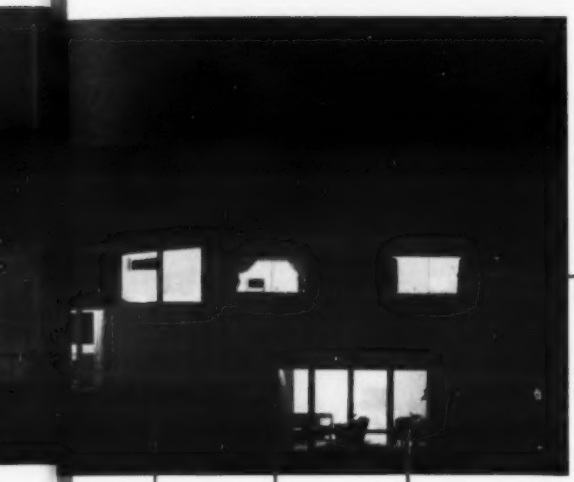
KITCHEN EQUIPMENT: General Electric Co.
fan, **Trade Wind Motorfans, Inc.**
counter tops, *Formica*, **The Formica Co.**
cabinets, built-in

LAUNDRY EQUIPMENT: General Electric Co.

DECORATION: SHERM PERRY FURNITURE, ILA LARSON AND ARLENE PERRY, DECORATORS



From the entry at ground level, short flights of steps lead up to a quiet level of bedrooms and baths, down to a not-so-quiet level: the kitchen, dining area and family room. Another little staircase in the dining area descends to strictly grown-up territory—the living room



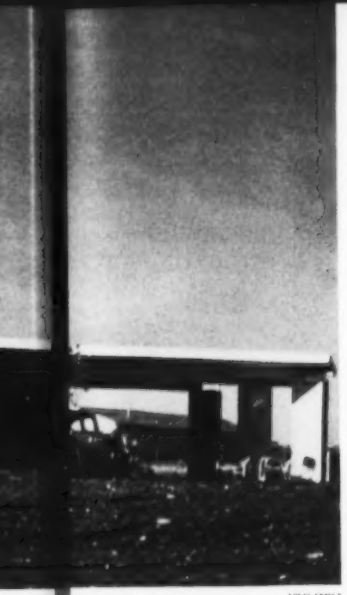
Illumination throughout the house is a careful blend of general and specific light: valance fixtures over each major expanse of glass, pin-pointed light for reading, dining and—for safety's sake—the stair wells. The kitchen is lighted in accordance with its function as a work-area with undercabinet fixtures and dimmer-controlled overhead light; the dining area (separated from the kitchen by a seven-foot-high partition pierced by a pass-through snack bar), with a hanging cluster fixture. The living room (below and left) works especially well as an adult retreat in that it is the kind of "dead-end" room that discourages traffic. One wall of glass opens onto a good-sized terrace, and the masonry fireplace wall runs the entire width of the room. Colors take a cue from the countryside and are indigenous to the locale: with the exception of the bedrooms, all exterior and interior walls are greige—a gray-beige very like the rocks of the surrounding mountains. Accents are the citron of sagebrush in bloom, a hot pink, and the blue of a mountain lake

f steps
lown to
family
ea de-
g room

ELECTRI-LIVING CONDITIONED

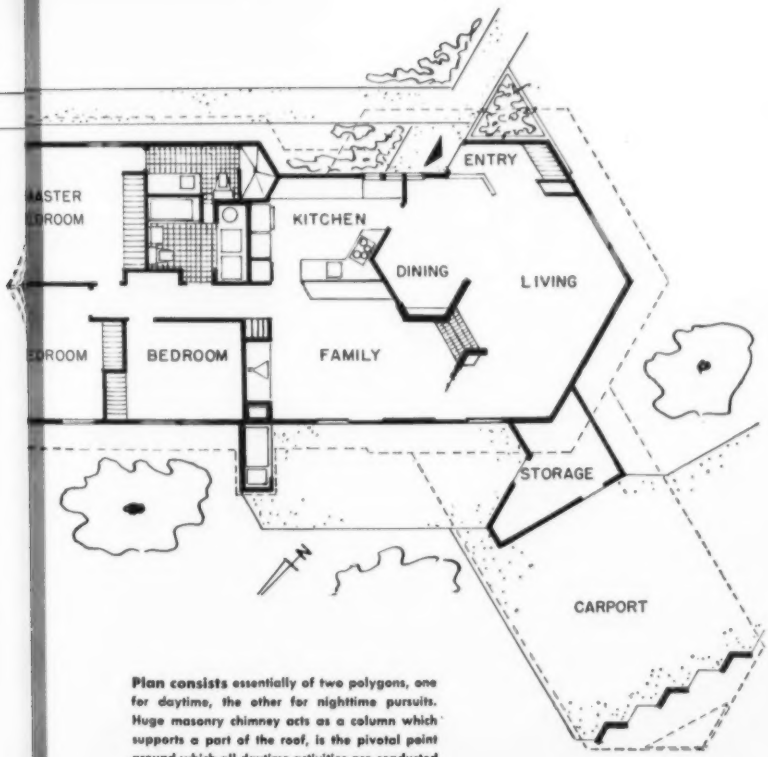
Variety through the exploration of space

At a time when the possibilities of outer space fire our imagination, the architect must become somewhat of a space man himself. By exploring the potential of *inner* space, the more finite variety that confronts us in our homes during every waking hour, he has a unique opportunity to add variety to everyday living. Starting with the premise that rooms need not be four-square cubicles, visually monotonous and a deterrent to individual furniture placement, the architect of this Topeka, Kansas, house was led to explore the possibilities in an unusual modular system—the diamond-shaped, four-foot module. The resulting splayed walls increase the sense of openness and at the same time create quite private and interestingly-shaped areas for specific pursuits. Obviously, such a planning device is reflected in an exterior appearance equally distinct. At a time when economy is usually attained through sameness, it is a tribute to an architect that he can create distinctness within cost limitations and without recourse to elaborate detailing. Distinctness in this case went hand in hand with simplicity which should help considerably to prolong the period of the home's appeal.



LOUIS LEMLE

Regional concern for climatic extremes is reflected in an exterior with deep overhangs over windows, rugged redwood board and batten siding. Prowlike roof projection over concave end elevation is both a climate- and a light-conditioning factor as well as an evidence of unusual detailing: trellis was calculated to admit winter sun, exclude hot summer rays. Masonry planter repeats the angled pattern. This individuality is an outward expression of interior planning: the angled walls result from the use of a diamond-shaped modular design system. Window placement which allows a variety of furniture arrangement lends scale to the exterior by creating an impression of vast wall areas around the outside of the house, an example of how space-conditioning affects exterior appearance



Plan consists essentially of two polygons, one for daytime, the other for nighttime pursuits. Huge masonry chimney acts as a column which supports a part of the roof, is the pivotal point around which all daytime activities are conducted

BUILDING DATA

Topeka, Kansas

Architect: **James R. Cushing**
Builder: **Sargent Builders, Inc.**
Utility Co.: **Kansas Power & Light Co.**

FOUNDATION
reinforced concrete: **Portland Cement Assoc.**

INSULATION
perimeter, *Styrofoam*, **Dow Chemical Co.**
exterior wall, mineral wool, **Johns-Manville**
roof, *Insulite*, **Minnesota & Ontario Paper Co.**

FLOOR SURFACING
cork, **Armstrong Cork Co.**
vinyl asbestos, **Armstrong Cork Co.**
bathroom floor, ceramic tile, **The Mosaic Tile Co.**

EXTERIOR WALLS
redwood boards, **California Redwood Assoc.**
concrete block, **Capitol Concrete Products Co.**

INTERIOR WALLS
Sheetrock, **United States Gypsum Co.**
wood paneling, **United States Plywood Corp.**
bathroom walls, ceramic tile, **The Mosaic Tile Co.**

CEILING SURFACING
Sheetrock, **United States Gypsum Co.**

PAINTS & STAINS
exterior & interior, **Samuel Cabot, Inc.**

DOORS
exterior & interior, **The Mengel Co.**
folding room divider, *Pella*, **Rolscreen Co.**
folding closet doors, *Pella*, **Rolscreen Co.**
glass sliding, *Nudor*, **Nudor Mfg. Co.**

WINDOWS
Pella, multipurpose, **Rolscreen Co.**

HARDWARE: Schlage Lock Co.
sliding glass door, **Designware Ind., Inc.**

CLIMATE-CONDITIONING
heat pump, *Weathertron*, **General Electric Co.**

FIREPLACE
roman brick, **United Brick & Tile Co.**
fire screen, **Portland-Willamette Co.**

PLUMBING FIXTURES: American-Standard

BATHROOM
accessories, **Hall-Mack Co.**
shower fitting, *Hydroguard*, **The Powers Regulator Co.**
shower door: *Neptune*, **Flat Metal Mfg. Co.**
vent fan: **NuTone, Inc.**
counter top on lavatory, ceramic tile, **Tile Council of America**

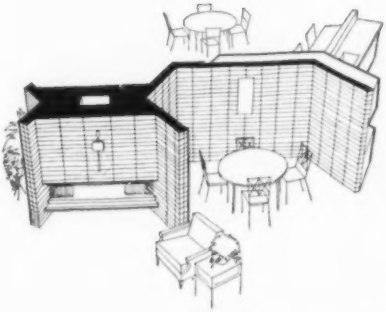
WATER HEATER: General Electric Co.

ELECTRICAL EQUIPMENT
panel board & circuit breakers, **Square D Co.**
wire conduit or cable: *Romex*, **General Cable Corp.**
switching: low voltage, **General Electric Co.**
lighting fixtures: **Lightolier Co.; Prescolite Mfg. Corp.; Globe Lighting Products, Inc.**
dimmers: *Lustrol*, **The Superior Electric Co.**

KITCHEN EQUIPMENT: General Electric Co.
fan: **Fasco Industries, Inc.**
cabinets: custom-built
counter tops, **The Formica Co.**

LAUNDRY EQUIPMENT: General Electric Co.

Weblike roof structure sets an umbrella of pattern over the entire living, dining and kitchen area. While this pattern unifies the whole space, the masonry fireplace and adjacent walls act as a space-conditioner, marking off separate areas, further defined by a change in floor covering from carpet in entry, living and dining areas to tile in family room and kitchen. Family room can be completely closed from living area by a folding door. Color has an important bearing on the handling of space: beige tone of ceiling and masonry is repeated in upholstered pieces and carpet. Blue is a brilliant accent throughout, ranging from sofa pillows to the counter tops



Formal dining takes place in an angled nook off entry and living spaces, with access to the kitchen in the opposite direction. Informal dining in the family room can be either at a snack bar or at a table near the window, also pressed into service for games and homework. Glass panels slide open, relating this space to the terrace. Light-conditioning in the daytime section of the home takes the form of a deep valance around most of the living area perimeter, a pull-down fixture over the formal dining table and, in the family room, a light cove above shelves built into one wall. Shielded fluorescent fixtures are located above counters

DECORATION: BERRY FURNITURE CO., JAMES SUMMERS, DECORATOR

Division of kitchen into three distinct areas makes for efficiency and simultaneous use: the sink-dishwasher-range area (left), the appliance center (above) with convenient plug-in strip over the counter, and the refrigerator-mixing center. Each area has storage space at point of use, specifically engineered for convenience of each operation

Storage closets are key elements in an over-all space-conditioning plan. In bedroom corridor, the major part of one wall has been devoted to linen storage with three tiers of sliding doors for easy accessibility to shelves for blankets and sheets. Banded floor tiles seemingly widen corridor width, another kind of space-conditioner. Safety-conditioning is implicit not only in floor plan, wiring system and location of illumination, but in such equipment as shower temperature-control mechanism (below)

Laundry equipment is sensibly located in the family bath. Along with water heater and full-width shelves over washer and dryer, it occupies a niche along one wall. A folding door closes equipment from view when not in use. Soiled clothes hamper which accommodates both baths is unique feature. In the family bath, outlet is located between laundry and tub recess (below). In master bath (right), it is between toilet and sink. As a sound-conditioning precaution, only the door on one side is ventilated

Proof that color-conditioning is part of bathroom planning, family bath repeats the basic beige scheme of the rest of the house. Glazed wall tile and unglazed floor tile are sand color, the fixtures a warm orange-beige. Harlequin-patterned paper is orange and beige; towels are orange, red and green striped. Sliding mirror-doored medicine cabinet is high, wide and spacious. An inside room, bath is illuminated with a fluorescent fixture over cabinet; ventilating fan is a climate-conditioning factor

BUILDING DATA

Tampa & Brandon, Florida

Architect: **Mark Hampton, A.I.A.**

Tampa builder: **Matt Jetton, Sunstate Builders, Inc.**

Brandon builder: **Ragsdale Construction Co.**

Utility Co.: **Tampa Electric Co.**

FOUNDATION
poured concrete slab, **Portland Cement Assoc.**

WOOD PRESERVATIVE
Wolmanized lumber, **Koppers Co., Inc.**

ROOF INSULATION
rock wool batts, **Johns-Manville**

FLOOR SURFACING
terrazzo, **Tampa Tile & Terrazzo Co.**

EXTERIOR WALLS
concrete block and stucco, **Hartstone Concrete Products Co., Inc.**

INTERIOR WALLS
Sheetrock, **United States Gypsum Co.**
bathroom tile, **Sparta Ceramic Co.**
sliding panels, *Plasticomb*, **Monostructure, Inc.**

ROOF SURFACING
sheathing, **Johns-Manville**

PAINTS & STAINS
exterior, masonry water paint, **Art Cement Mfg. Co.**
stain: **Samuel Cabot, Inc.**
interior, oil & stain, **Harris Standard Paint Co.**

DOORS
entrance, *Plasticomb*, **Monostructure, Inc.**
sliding glass, *Alwintite*, **General Bronze Co.**
interior, **The Venetian Folding Door Corp.**

SCREENS: Ludman Corp.

WINDOWS
jalousies, **Ludman Corp.**
fixed glass, **Pittsburgh Plate Glass Co.**

HARDWARE: Kwikset Locks, Inc.

CLIMATE-CONDITIONING
heat pump, **Weather King of Florida**

PLUMBING FIXTURES: American-Standard

BATHROOM
accessories: **Hall-Mack Co.**
shower fitting: *Hydroguard*, **The Powers Regulator Co.**

WATER HEATER: Frigidaire

ELECTRICAL EQUIPMENT
circuit breakers & panel board: **Square D Co.**
lighting fixtures: **Lightolier Co.**
dimmers: *Luxtrol*, **Superior Electric Co.**

Tampa
KITCHEN & LAUNDRY EQUIPMENT: Frigidaire
counter tops, *Formica*, **The Formica Co.**
cabinets: **Miller & Williams**

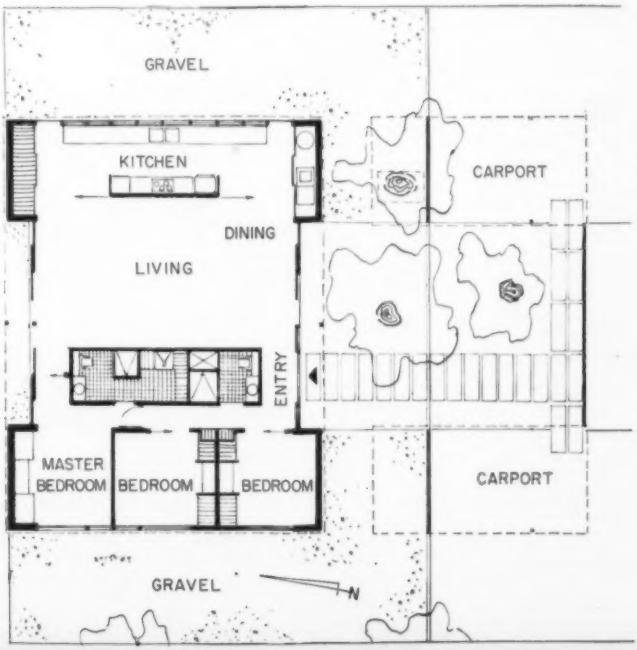
Brandon
KITCHEN & LAUNDRY EQUIPMENT: RCA Whirlpool

SKYLIGHTS
Plasticomb, **Monostructure, Inc.**

ELECTRI-LIVING
CONDITIONED

Color establishes continuity of space

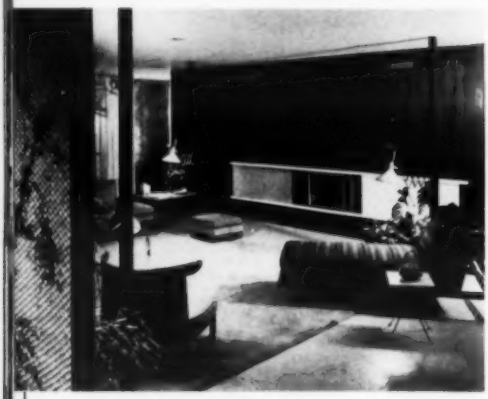
Color and texture can be used in a hundred ways for as many purposes, but in the Tampa, Florida, house, they have been employed primarily—and unconventionally—to not only extend and define space, but to give it continuity. Of the home's 1,600 square feet, more than half is devoted to a living-dining room and an adjacent, semi-open kitchen. Two walls of glass in the larger area establish a double vista of oak trees at one end, the Hillsboro River at the other. A third wall is paneled in walnut, and the fourth is faced with the sliding panels of honeycomb plastic that can be adjusted to conceal the kitchen. Sections of masonry play a double role of support and textural contrast, and combine with the other background elements to form an over-all scheme of off-whites and wood-tones—a smoothly flowing, muted but far from insipid setting for accents of gold, tangerine, black, brown and—by way of echoing nature—a pale green almost the color of the river outside the door. As you will see, there has been no tampering with space as such, but rather an *endowing* of space with definition, flair and elegance. (A slightly varied version of this house was built in Brandon, Florida.)



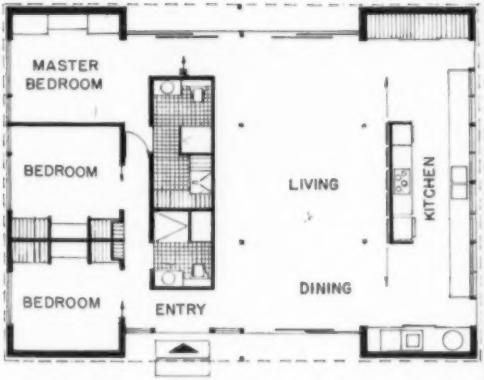
ERNEST SILVA

DECORATION: MAAS BROS., EDWINA BLACK, DECORATOR

Beneath its canopy of live oaks—a fortuitous shelter for a tropical climate—the house lies with its principal sliding-door areas at right angles to the river so that it may enjoy all random breezes from the water. Twin carports—as decorative as they are functional—flank the front door like a pair of sentries and give the simple outline of the house balance and distinction. Inside, panels of the exterior's brick-patterned concrete block are used at points of interest as a textural contrast to wood, to glass, and to screen-like panels of molded honeycomb plastic. There is consequently a complete lack of visual monotony, even though the color, for the most part, is fairly muted. Accents are vivid and refreshingly used; the black and brown striped chaise, for example, is, through its contrast with the pale floor and rug, an accent in itself; such mechanical factors as the television and the air intake for the heat pump become decorative features simply by framing them in white and placing them side by side in the walnut-paneled wall. The master bedroom, although not a particularly large room, seems so, an impression abetted by its glass wall and the fact that the largest areas of color—carpeting, bed, a painted wall—are all mutations of the same "river" green



Walnut paneling sheathes the entire wall of a core that holds two baths, a dressing room, the heat pump for year-round heating and cooling, and the unobtrusively tucked-away television



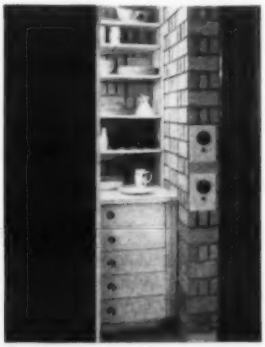
Same core forms a sound barrier between active and quiet areas. Bedrooms lie in an isolable block, although the master bedroom, if desired, can be used as a den and thrown open to the active area

A

B

reas.
n, if
area

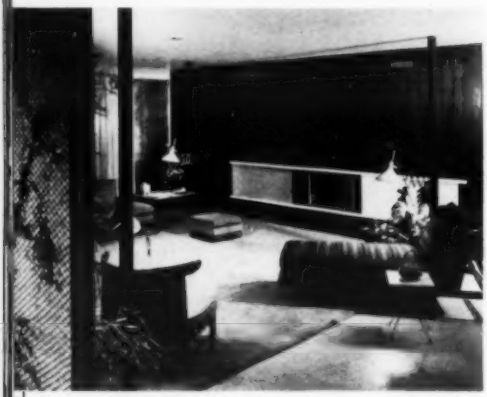
Corridor-kitchen is a well-planned, sleekly tailored area that runs the full length of the living room, from which it is separated by a 6-foot wall. On the living-room side, sliding panels of honeycomb plastic can be adjusted to almost completely conceal the kitchen from the rest of the house; on the other side (**A**), the same wall houses a counter of base cabinets, the cooking units, a black refrigerator and wall oven. Directly opposite (**B**), under a series of glareproof, translucent glass windows—some with fixed glass, others with jalousies—is another bank of cabinets with the dishwasher, sink, a little breakfast bar and pull-out bins for the children's toys. Location of sink from refrigerator, oven and cooking units is almost equidistant—a thoughtful, stepsaving arrangement. As for color, everything is smartly black, white or walnut; the only accent color is supplied by table accessories and the food itself. Hot water heater, washer, dryer and china storage (**C**) are concealed behind sliding doors at one end of the room; a kitchen planning area (**D**) that could double very nicely for sewing or homework lies behind a set of doors in exactly the same position at the other



C

D

Boy's room, as compact as a ship's cabin, has a wall of glass (like all the bedrooms) looking out on the surrounding grove of live oaks. Colors are brown, beige and green; flooring—as it is throughout the house—is white terrazzo. Master bath (below) is pure white with walnut cabinets and bright orange accessories. Shower is surfaced with minute brown mosaic tile; illumination is supplied by a skylight and a concealed lighting fixture over the lavatory counter



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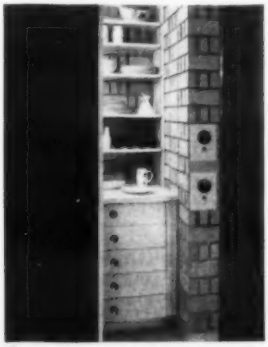

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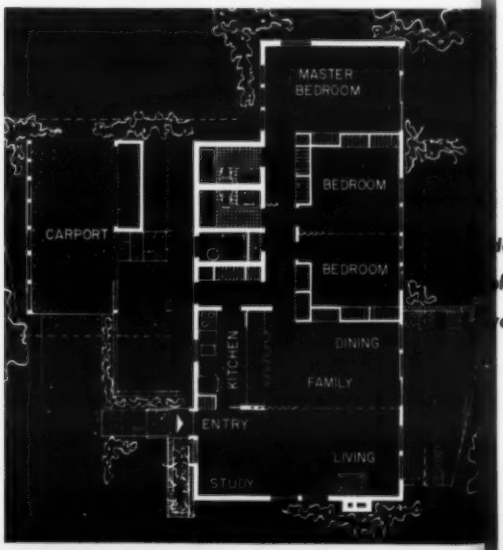
True climate-conditioning results from a number of interrelated factors. In this case heavy foliage combines with white reflective roof surfacing, deep overhangs and attic ventilation through louvered gable to combat summer heat. A heat pump maintains proper seasonal temperature indoors. Vertical siding stained brown and masonry units blend with the setting. To dramatize and unify the window and louver detail, they were painted a contrastive tone



Carport was designed as an integral part of the house structure, making it an impressive, formal entrance. Structural panels forming carport baffle were painted the same accent color as entry door and other exterior details, proof that color-conditioning is as important an element in exterior as interior decoration. Plan illustrates one of many possible arrangements of flexible interior space. Here it was elected to create double children's quarters which can be separated by a folding door. A similar device can close off the disarray of the family room

ELECTRI-LIVING
CONDITIONED

The yardstick is flexibility

The house that can satisfy the varying needs of a family at progressive periods of their life is rare indeed. A dwelling which is satisfactory to a newly-married couple can be a dream in June and—a few Januaries later—totally inadequate. With accompanying demands for change, children have appeared, and as they grow older, needs become still different. Parents and in-laws come to visit, then—somehow—to stay, proof that family life is a constantly fluctuating phenomenon with no usual alternative except periodic moving or elaborate remodeling. Since one poses space problems, the other financial problems, there are obvious advantages in a house which will serve both the life of the family *and* the life of the mortgage. That is why there has been a persistent and highly commendable trend in residential architecture leading to the concept of a house as essentially one large area designed to be malleable to family transitoriness. The ELECTRI-LIVING home in Greensboro, North Carolina, for example, is engineered with a light trussed roof which eliminates the need for interior bearing walls. Partitioning elements—relocatable storage units and lightweight panels—can be arranged to create rooms where they are required. Fundamentally, the house is a large rectangle with a kitchen, baths and an adjacent utility core with fixed plumbing walls. The balance of the space is completely responsive to changing family needs. That, perhaps, is as sound a definition of space-conditioning as we know.

Here are four of many variations in plan

BUILDING DATA
Greensboro, North Carolina

Architects: **Loewenstein & Atkinson, A.I.A.**
Builder: **Phillips Realty Co.**
Utility Co. **Duke Power Co.**

FOUNDATION
concrete block, **National Concrete Masonry Assoc.**
brick veneer, *Holiday Hill* stone, **Holiday Hill of America, Inc.**

WOOD PRESERVATIVE
chromated zinc chloride, **Du Pont**

INSULATION
rock wool batts, **United States Gypsum Co.**

FLOOR SURFACING
oak, **National Oak Flooring Mfg. Assoc.**
vinyl tile, **Robbins Floor Products, Inc.**
ceramic tile, **The Mosaic Tile Co.**

EXTERIOR WALLS
Holiday Hill stone, **Holiday Hill of America, Inc.**
siding: vertical cypress boards, **Southern Cypress Mfg. Assoc.**

INTERIOR WALLS
Sheetrock, **United States Gypsum Co.**
ceramic tile, **The Mosaic Tile Co.**

ROOF SURFACING
asphalt shingles, **Loyd A. Fry Roofing Co.**

PAINTS & STAINS
exterior, **Devoe & Raynolds Co., Inc.**
interior, **Bruning Bros., Inc.**

DOORS
glass sliding, **Malibu Mfg. Corp.**
folding, *Modernfold*, **New Castle Products, Inc.**

WINDOWS
awning type: **Oettinges Lumber Co., Inc.**

SCREENS: Homecraft Corp.

HARDWARE: J. Chesler & Sons, Inc.

CLIMATE-CONDITIONING
heat pump, *Weathertron*, **General Electric Co.**

FIREPLACE
Holiday Hill stone, **Holiday Hill of America, Inc.**

PUMP EQUIPMENT: Fairbanks, Morse Co.

PLUMBING FIXTURES: American-Standard

BATHROOM
accessories: **The Mosaic Tile Co.**
medicine cabinet: **The Philip Carey Mfg. Co.**
shower fitting: *Hydroguard*, **The Powers Regulator Co.**
shower enclosure: **New Castle Products, Inc.**
vent fan: **The Philip Carey Mfg. Co.**

WATER HEATER: Westinghouse Electric Corp.

ELECTRICAL EQUIPMENT
panel board & circuit breakers:
Stab-Lok, **Federal Pacific Electric Co.**
switching: *Remcon*, **Pyramid Instrument Corp.**
lighting fixtures: **John C. Virden Co.**
dimmers: *Luxtrol*, **Superior Electric Co.**

KITCHEN EQUIPMENT: Westinghouse Electric Co.
cabinets: custom-built
counter tops: *Textolite*, **General Electric Co.**
fan: **The Philip Carey Mfg. Co.**

LAUNDRY EQUIPMENT
Space-Mates, **Westinghouse Electric Corp.**

ERNEST SILVA

End of living room near entrance door has been decorated as a small study, a trellislike folding screen creating a foyer. A panel of translucent glass (left of screen) affords illumination and privacy. General background lighting for the entire living area is furnished by valance devices, one along desk wall, others over an expanse of drapery along window wall leading to the terrace. Ceiling flood illuminates the foyer

Storage units are grouped in various ways to form room partitions. Division between master bedroom and one section of children's quarters consists of three 4' x 8' storage units. Two which serve as wardrobes in a child's room turn their backs to create a paneled wall in the master bedroom, with a third unit forming a mirrored dressing-table niche, well illuminated by a fluorescent strip concealed behind a deep baffle over the mirror

DECORATION: GUILFORD GALLERIES, BEN W. JONES, A.I.D. AND FOSTER HAMILTON, III, A.I.D., DECORATORS

Common wall of children's area and the family room is made up of three storage units, two of which face the bedroom, the third affording general storage as well as a china and linen closet convenient to dining area

Flexible furniture is suitable for a flexible house. Dining table can be used in console fashion to seat three or the dropped leaf can be raised to form one large, round surface accommodating the whole family. Glass door beyond slides open to terrace where outdoor cooking and dining operations take place handy to the kitchen

ELECTRI-LIVING
CONDITIONED

A house blessed with natural resources

ERNEST SILVA

A bird's-eye view of the ELECTRI-LIVING home in Winter Haven, Florida, reveals only a white-as-snow, somewhat irregular letter H, carefully nestled into an orange grove. Getting down to earth, however, matters change, and the tree-encircled H is seen for what it is—a pleasantly sprawling structure perfectly integrated with its natural landscaping. That is the first note in this home's appeal. A second, which follows hand in hand, is that it offers the individual the maximum of privacy possible in a home of moderate size. Privacy, of course, is accomplished in essence by the plan itself, but in this instance it is a plan superbly qualified by the wisdom of the architect in allowing the four projections of the house to extend into the shelter and coolness of the grove rather than chopping down trees to keep them from interfering with an arbitrary blueprint. This is orientation of the most thoughtful kind, and it has given the house and, in particular, its three outdoor living areas, protection and vista —two factors that, in Florida, are worth their weight in gold. A third, equally valuable, is that, thanks to beneficent powers of a heat pump, house is climate-conditioned the year round. For zoning secrets of this paragon, turn the page.

Exterior details: *left:* construction of supporting columns and soffit with screen-covered air vent that encircles the house; *moving clockwise:* covered passageway from carport to entry; recessed front door paired with panel of fixed glass; screen-enclosed patio opening off living room; private patio for master bedroom; double carport with storage wall for heat pump. Adjacent, perforated wall conceals and protects a third, very private patio for dining and sunning

BUILDING DATA

Winter Haven, Florida

Architect: **Donovan Dean, A.I.A. & Associates**

Builder: **Dan B. Cooper**

Utility Co.: **Tampa Electric Co.**

FOUNDATION
concrete block, **Stephens Concrete**

INSULATION
rock wool batts, **The Celotex Corp.**

FLOOR SURFACING
terrazzo, **Atlantic Tile, Inc.**

EXTERIOR WALLS
concrete block, **Superior Block Co.**

INTERIOR WALLS
concrete block, **Superior Block Co.**
plaster walls, **United States Gypsum Co.**
bathroom walls, ceramic tile, **American-Olean Tile Co.**

CEILING SURFACING
plaster, **United States Gypsum Co.**

ROOF SURFACING
built-up roof, **Barrett**

PAINTS & STAINS
exterior & interior, **Porter Paint Co.**

DOORS
exterior & interior: **The Mengel Co.**

WINDOWS
awning type, **Von Russ Co.**

HARDWARE: Schlage Lock Co.

CLIMATE-CONDITIONING
heat pump, **Lennox Industries, Inc.**
controls, **Minneapolis-Honeywell Regulator Co.**

PLUMBING FIXTURES: American-Standard

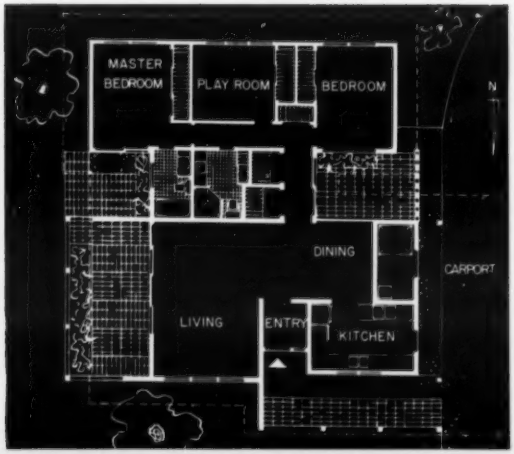
BATHROOM
accessories: **American-Olean Tile Co.**
medicine cabinet: **Hall-Mack Co.**
shower fitting: *Hydroguard*, **The Powers Regulator Co.**
vent fan: **NuTone, Inc.**

WATER HEATER: Hotpoint Co.

ELECTRICAL EQUIPMENT
panel board & circuit breakers, **Square D Co.**
switching: **Slater Electric & Mfg. Co.**
lighting fixtures: **John C. Virden Co.**

KITCHEN EQUIPMENT: Hotpoint Co.
fan & hood, **NuTone, Inc.**
counter tops, **The Formica Co.**

LAUNDRY EQUIPMENT: Hotpoint Co.



Admirably zoned, the house is designed in two parallel wings—one active, one quiet—which are completely segregated, linked only by an intermediate core holding the baths, storage space and the passage from one wing to another. For further insularity, each bedroom is separated from its neighbor by a closet wall—one of them double. Active area holds a vestibule-entry (there is no abruptness of entrance in this house), living and dining areas and an enclosed kitchen. Since the main terrace (seen from outside, above) is the length of the living room and almost as wide, it extends the visual and physical sweep of space to the point of practically doubling the adult living area. Dining area is a continuation of the living room, although a defining, cove light-trough at ceiling height gives it an identity of its own. Background colors are gray and beige; accents (logical, certainly, for a house in an orange grove) might be called *citric:* emerald-green; lemon-yellow; bright, golden orange

DECORATION: THE LITTLE STUDIO, GEORGE AND MARY LOUISE DILG, DECORATORS

A CHECK-LIST OF

LIVING-CONDITIONED BENEFITS

Here are some of the features in homes which we have reported as part of our *Living-Conditioned* program. A survey of this check-list should help you to increase the comfort potential of a home which you are buying, building or remodeling. Points have been grouped under the six basic categories of *Living-Conditioning*. However, it is important to remember that maximum physical and emotional comfort results from the planned interrelationship of these benefits. It is the contribution of one *Living-Conditioned* feature to another that increases the efficiency of both. For example, light-conditioning not only provides efficient illumination, but also contributes to safety, and has an important bearing on interior color. Color, in turn, contributes directly to the effect of climate- and space-conditioning. Thus, each *Living-Conditioning* factor relates to another in an over-all concept for total performance.

Space-conditioning: **the relationship of interior and exterior plan elements—room to room and room to site—for the purpose of exacting total livable space from house and plot**

- ☐ **Have house and plot been planned together as total usable living space?**
- ☐ **Has the house been located on the plot for maximum privacy from street and neighbors?**
- ☐ **Has the house been planned to make the most economical use of the nature of the terrain?**
- ☐ **Has sufficient space been allocated to motor entrance, service yard, garden plot, play area and terraces?**
- ☐ **Have these areas been located properly in relation to house plan? Is the sleeping area sufficiently removed from play yard? Is play yard within surveillance from kitchen?**
- ☐ **Is your house placed for maximum benefit from the interrelation of indoor and corresponding outdoor living spaces?**
- ☐ **Does the house plan provide space for every function of family living?**
- ☐ **Does the space satisfy the needs of each specific function? For example, does the space allotted for sleeping assure privacy and quiet?**
- ☐ **Is daytime space flexible enough to provide for formal and informal living?**
- ☐ **Have the various functions been located for access without undue cross traffic?**
- ☐ **Has full use of limited space been attained through movable partitions and open planning?**
- ☐ **Is furniture sufficiently flexible to make the most of multipurpose areas?**

- [ ] Has ease of furniture placement been assured through proper location of windows, doors and provision of sufficient wall space?
- [ ] Has storage space been located at point of use for every activity in every part of the house? Do kitchen base and wall cabinets operate in conjunction with major work centers and appliances?
- [ ] Is kitchen located for convenient food service to family room, formal dining room and outdoor dining terrace?
- [ ] Has mechanical equipment been selected to give efficient use of space through built-in installation?
- [ ] Has compartmentation made the most economical and flexible use of the space allotted for bathrooms?

Light-conditioning: the control of natural and artificial illumination for visual comfort

- [ ] Has house been oriented on the property for maximum sunlight in areas of daytime pursuit?
- [ ] Have overhangs been properly calculated to admit the desired degree of both summer and winter sun?
- [ ] Have louvered shutters, blinds and draperies been used to control entrance of natural light for the desired level of brightness?
- [ ] Have trellises, awnings and baffles been used to shade outdoor living areas?
- [ ] Has an artificial illumination plan been arranged as a balance of general, background illumination and lighting for reading, dining and specific activities?
- [ ] Has lighting been arranged to follow the pattern of daylight to assure the same comfort night and day, with the same arrangement of furniture?
- [ ] Is background lighting of cove, soffit or valance variety on dimmer control for gradual increase from light to dark and vice versa for greatest visual comfort and mood?
- [ ] Has lighting been planned for its ability to create flattering background for the occupants of a room? Have colored bulbs, for example, been used in lamps for a desired effect?
- [ ] Has lighting been considered for its seeming effect on indoor climate, its contribution to salubrity?
- [ ] Does touch-action switching assure immediate and central control of all interior and exterior lighting?
- [ ] Does bathroom mirror lighting cast an even, shadowless glow to facilitate grooming and reduce the danger of shaving cuts?
- [ ] Has lighting been used to create distinct areas in an open plan?
- [ ] Do kitchen, bath, laundry and other specific work areas have fluorescent strips or spot-lighting?
- [ ] Are lamps properly scaled on tables of proper height for maximum comfort while reading, sewing, etc.?
- [ ] Is exterior lighting arranged under eaves, in garden, at main entrance and carport for ease of night mobility?

Safety-conditioning: the elimination of the common causes of physical and emotional hazards in normal family living through planning, choice of materials and mechanical equipment

- [ ] Does your house location on the lot insure maximum protection from street and traffic?
- [ ] Are curbing, terrain, landscaping and natural elements used to develop a protective barrier?
- [ ] Are driveway and sidewalks constructed for unrestricted surveillance and easy negotiation?
- [ ] Is your house vertically planned to avoid difficult level changes? Are grade transitions gradual?
- [ ] Are shallow ramps or slopes used to avoid awkward steps or curbs?
- [ ] Are entry and entrance walks covered or protected from moisture, ice or snow?
- [ ] Is the surfacing of terrace, walks, ramps and steps textured to give slipproof footing?
- [ ] Are all sudden changes of level protected by railing and/or shrubbery?
- [ ] Are all exterior entrances properly lighted, with light level shaded or glareproof?
- [ ] Are exterior lights switchable from street, porch or garage?
- [ ] Is your peace of mind assured by multiple switching for all exterior lights and lighting in other remote parts of the home?
- [ ] Do you have a burglar alarm system?
- [ ] Do you have a door annunciator system?
- [ ] Are all windows low enough and large enough to provide emergency exits?
- [ ] Has proper glass thickness been used for window-area size to insure against breakage?
- [ ] Is house properly ventilated to safeguard against oderless and/or poisonous gases?
- [ ] Are furnace areas zoned for easy fire control?
- [ ] Do you have a fire-alarm system?
- [ ] Is your house planned for accessible and alternate exits?
- [ ] Are interior doors planned for safe, nonobstructive swing?
- [ ] Are doors to workshop, garage, furnace areas of a fire-resistive construction?
- [ ] Do bumpers and hardware guard against door-slamming, clothes-catching and hand-pinching?
- [ ] Is your house built wherever possible of noncombustible and fire-retardant materials as well as materials treated to be fire-resistive?
- [ ] Is your house-proper flashed and vaporproofed against moisture?

[Continued on page 94]

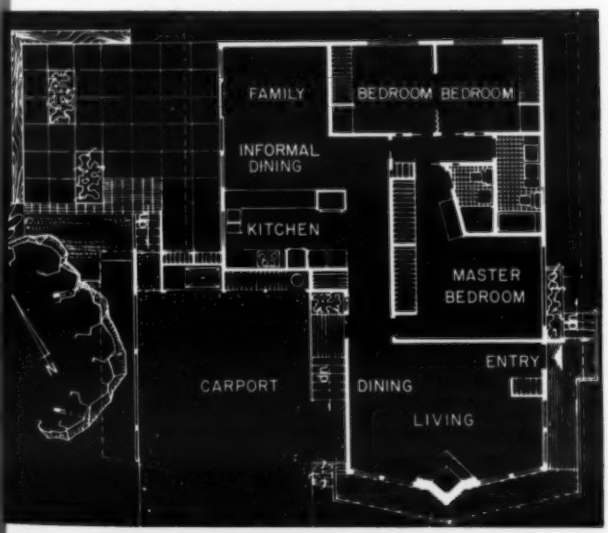
GEORGE DE GENNARO

Carport entrance to house is approached by a short flight of steps, completely under shelter. Storage units at rear hold the heat pump, water softener and electric hot water heater. For a maximum of privacy, the patio (below), an outdoor extension of the family room, lies well concealed around the corner at the rear of the plot

House and site: perfect marriage

Since the philosophy of most homes has to relate the fundamental need for shelter and to the size of the future owner's pocketbook, few premises are so attractive to the average man as that of the ELECTRI-LIVING home in San Diego, California. It is, as one of its co-ordinators put it: "Simply the best that can be had without prohibitive expense." From the *Living-Conditioned* standpoint, it is extremely satisfactory. It is skillfully lighted, pleasant in color, well-planned as to quiet and active zones, and it has a heat pump for year-round heating and cooling. Since it is a California house, it is equipped for the kind of outdoor living so dear to that locale, and since, too, it is a house for a young family, it makes special provision for children. Purely as a structure, however, it is perhaps most interesting for its adaptability to its site. Some architects would have taken one look at the sloping, corner lot and given it short shrift with a bulldozer. Ours did not: instead they planned a house which, although it is all on one level, uses the rocks and slope of the plot as part of its design. The living room (whose elevation we see above) is a pentagonally-shaped room "hung" above ground level and—like the prow of a ship—banked by a balcony for visual protection from streetside onlookers. A long, sloping roof extends over the carport and on to the highest level of land—a mass of boulders which provide an anchorage for supporting girders that bridge dwelling and land like flying buttresses. That is how a house—this one in particular—can hug the ground and still hold its head high in the air.

Stark black and white, the exterior is unrelieved by color except for the greenery of the planters and two doors painted pumpkin-yellow. The elevation above is given more than a touch of drama by the sheer sweep of the roof with its terminating girders, by the blackness of the stained cedar, by the pattern and angle of the concrete-block chimney breast and its flanking glass walls. The careful division of the house into three distinct units is seen in the plan below: living room, master bedroom and bath; family-dining room and kitchen; children's bedrooms and bath—all entities unto themselves



BUILDING DATA

San Diego, California

Architect: **Paderewski, Mitchell & Dean, A.I.A.**

Color co-ordinator: **Sara Martin Chase**

Landscape architect: **Harriett Wimmer, A.S.L.A.**

Builder: **Jackson & Scott**

Utility Co.: **San Diego Gas & Electric Co.**

FOUNDATION
poured concrete: **Portland Cement Assoc.**

TERMITE TREATMENT
pressure treated lumber, **J. H. Baxter & Co.**

INSULATION
Alfol, **Reflectal Corp.**

FLOOR SURFACING
asphalt tile, **Armstrong Cork Co.**
bathroom, ceramic tile, **Pomona Tile Mfg. Co.**

EXTERIOR WALLS
Monolite stucco, **Squires-Belt Material Co.**

INTERIOR WALLS & CEILING SURFACING
plaster, **National Gypsum Co.**
bathroom walls, *Monolite*, **Squires-Belt Material Co.**
shower, ceramic tile, **Pomona Tile Mfg. Co.**

ROOF SURFACING
sheathing, **The Celotex Co.**

PAINTS & STAINS
exterior & interior: **Pittsburgh Plate Glass Co.**

DOORS
exterior: **The Mengel Co.**
glass sliding: **Arcadia Metal Products**
interior: sliding plywood panels, **The Mengel Co.**
folding: *Pella*, **Rolscreen Co.**
closet: *Pella*, **Rolscreen Co.**
storage door: **The Mengel Co.**

SCREENS: Kaiser Aluminum

WINDOWS
casement: **Bourne Products**
fixed glass: **Libbey-Owens-Ford Glass Co.**

HARDWARE: Schlage Lock Co.

CLIMATE-CONDITIONING
heat pump, *Weathertron*, **General Electric Co.**

FIREPLACE: custom-built

PLUMBING FIXTURES: Briggs Mfg. Co.

BATHROOM
accessories: **Hall-Mack Co.**
toilet seat: *Olsonite*, **Swedish Crucible Steel Co.**
shower fitting: *Hydroguard*, **The Powers Regulator Co.**
shower enclosure: *Basco*, **Bathroom Accessory Supply Co.**
vent fan: **Trade Wind Motorfans, Inc.**
ceiling heater: **NuTone, Inc.; Pryne & Co., Inc.**

WATER HEATER: A. O. Smith Corp.

ELECTRICAL EQUIPMENT
panel board & circuit breaker: *Stab-Lok*, **Federal Pacific Electric Co.**
switching: **General Electric Co.**
dimmers: *Luxtrol*, **Superior Electric Co.**
outlet strip: **Wiremold Co.**
lighting fixtures: **Lightolier Co.; Moe light, Thomas Industries, Inc.; Progress Mfg. Co., Inc.**

KITCHEN EQUIPMENT: General Electric Co.
fan & hood: **Stanthony Corp.**
cabinets: custom-built
counter tops: **The Formica Co.**

LAUNDRY EQUIPMENT: General Electric Co.

A free-for-all stamping ground, the family-dining room (right) is separated from the kitchen (opposite; far opposite) by a counter-bar for breakfast and snacks and a bank of suspended cabinets whose double doors are accessible from either side. Kitchen is U-shaped, equipped to the nines, and since all appliances are pure white, justifiably gay in color. Diffused overhead lighting, used in both family room and kitchen, is supplemented in the latter with undercabinet fixtures over work areas. Stylized kitchen shutters were designed as an amusing echo of the harlequin motif used elsewhere in the decoration, and—a sensible note in a much traveled area—television is set into one of the family room's overhead cabinets, well out of the way of the younger set's curious fingers, yet with no interference at all to sight lines

DECORATION: WALTER BRODERICK & ASSOCIATES, INTERIORS
DECORATOR: SARA MARTIN CHASE

Five-sided living room (left and opposite) has a vaulted and beamed black and white ceiling, three walls of glass and, at direct center, a triangular fireplace that thrusts its metal hood into the room like the beak of a very handsome bird. Room's main source of light is a dimmer-controlled cove that runs above a fifth mahogany-paneled wall; the dining group (new, unusually low) is lighted by a tole chandelier, and the fireplace hood is spotlighted from a fixture installed in one of the ceiling beams

GEORGE DE GENNARO

Unusually wide hallway with one wall paneled in mahogany (right) extends from the living room to the kitchen, family room and children's bedrooms. Because of the width of the passage, there is plenty of room to make practical use of hanging bookcase-desk unit without impairing walking space. Wall also holds a closet and a cabinet suitable for hi-fi apparatus and records

BUILDING DATA
Oklahoma City, Oklahoma

Architect: **R. Duane Conner, A.I.A.**
Builder: **James Reedy, Jr.**
Utility Co.: **Oklahoma Gas & Electric Co.**

FOUNDATION
reinforced concrete, **Portland Cement Assoc.**

WATERPROOFING
Vizqueen, **Visking Co.**

INSULATION: The Celotex Corp.

FLOOR SURFACING
vinyl tile, **Armstrong Cork Co.**
bath, ceramic tile, **Royal Tile Mfg. Co.**
quarry tile, **Texeramics, Inc.**

EXTERIOR WALLS
face brick, Color Card Brick, **Malvern Brick & Tile Co.**
concrete block, **Harter Marblecrete Stone Co., Inc.**
Pegboard, **Masonite Corp.**

INTERIOR WALLS & CEILING
Sheetrock, **United States Gypsum Co.**

ROOF SURFACING
cedar shakes, **Huntting-Merritts**

PAINT
interior & exterior, **Phelan-Faust Paint Co.**

DOORS
interior & exterior, SSS, **General Plywood Corp.**
garage, **Overhead Door Corp.**

WINDOWS: Ware Laboratories, Inc. of Miami, Fla.
fixed glass, **Pittsburgh Plate Glass Co.**

CLIMATE-CONDITIONING
heat pump, **Mathes Co., Inc.**

FIREPLACE: Vestal Mfg. Co.

PLUMBING FIXTURES: Universal-Rundle Corp.
kitchen sink, **Carrollton Mfg. Co.**

BATHROOM
accessories: **Hall-Mack Co.**
shower fitting: **Moen Valve Co.**

ELECTRICAL EQUIPMENT
panel board & circuit breakers: **BullDog Electric Products Co.**
lighting: **Harris Mfg. Co.**
chimes: **NuTone, Inc.**
switching: **Arrow-Hart & Hegeman Electric Co.**

KITCHEN EQUIPMENT: Philco Corp.
garbage disposer: **General Electric Co.**
cabinets: custom-built
counter tops: **The Formica Co.**

LAUNDRY EQUIPMENT: Philco Corp.

SKYLIGHTS: Plastic Engineering Co.

INTERCOM SYSTEM: Talk-A-Radio Mfg. Co.

Uninhibited design conquers the limitations of the small lot

ELECTRI-LIVING
CONDITIONED

Originality distinguishes the design developed by architect R. Duane Conner, A.I.A. in Oklahoma City. Here a unique structure, masterful use of lighting and an unconventional site plan produce an airy, spacious home that belies the very uncompromising dimensions of the tract lot. Structurally, the house is somewhat like an umbrella with the central kitchen area serving as a square "handle" that supports the roof. No other bearing walls are required, so the plan opens up vertically as well as horizontally. The roof is, in effect, the ceiling, which rises dramatically to the center of the building and reflects the even glow of the cove lighting used throughout the house. Since walls between the bedrooms (and between living room and garage) were required only for privacy, the space between normal ceiling height and the sloping roof line was filled with glass. The "look-through" effect heightened—literally and figuratively—the illusion of space with a series of exciting patterns and vistas at the ceiling level. The house is an economical 48-foot square, but instead of lining it up with the street, Conner designed it to fit diagonally on the site. This camouflaged the narrowness of the lot, eliminated the peas-in-a-pod appearance so common in tract housing, and provided the opportunity for better utilization of the property by opening up four areas of outdoor living instead of the typical front and back yard. The terrace at the left of the house, for example, would not have been achieved with any other orientation.

JOHN ROGERS

Roof cap (below) is raised slightly to allow for a mezzanine over the kitchen. This upper level, accessible by folding stairs from the garage, houses heating and cooling and hot-water systems—obviating the need for utility room on the living level. Patterned fence (above) screens the terrace and barbecue

The sweep of space from the study across the dining area to the living room—unbroken by conventional patches of area lighting—is accentuated by the cove lighting that follows entire perimeter of the interior. Glass panels above ceiling level (opposite) enhance the dramatic effect. In the kitchen (behind quarry tile counter at left) a luminous ceiling is lighted by day by a skylight and at night by fluorescent lighting from mezzanine above

Architectural detail dominates the house to such an extent that it appeared to be decorated even before any furnishings were placed. Light, pattern and variations in texture inherent in the structure were the main sources of visual interest. To this was added the balancing effect of the same carpet, wall-to-wall throughout the house, and bright, incisive accents of color in upholstered pieces and in two *Pegboard* "accessory" panels

DECORATION: CULLIMORE'S HOME FURNISHINGS, LEE W. JENKINS, DECORATOR

ACCESSORIES: RANDOM GIFT HOUSE

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The master bedroom at the end of the carpeted corridor (left) demonstrates the effectiveness of the architect's unique design that opens up the area vertically as well as horizontally with a kind of transom lighting by glass panels between normal ceiling level and the sloping roof line. Valance lighting along the wall and recessed light in the dressing room underscore this as a prime example of light-conditioning. Behind island wall (below right) is dressing room with built-in wardrobes (below). At right of this is the master bath

BUILDING DATA

Sacramento, California

Architects: **Dreyfuss & Blackford, A.I.A.**
Landscape architect: **Sue Kelly Adams**
Builder: **Joseph L. Binet**
Utility Co.: **Sacramento Municipal Utility District**

FOUNDATION
reinforced concrete, **Portland Cement Assoc.**

FLOOR SURFACING
linoleum, **Armstrong Cork Co.**
red oak, **James E. Stark Co.**

EXTERIOR WALLS
redwood, **Pacific Lumber Co.**

INTERIOR WALLS
Sheetrock, **United States Gypsum Co.**
bathroom: ceramic tile, **Gladding McBean & Co.**

CEILING SURFACING
acoustical plaster, **Vermiculite Institute**

ROOF
sheathing, **Pacific Coast Plywood Co.**
surfacing, crushed rock, **Death Valley Pumice Co.**

PAINTS & STAINS
exterior & interior, *Dutch Boy*, **National Lead Co.**

DOORS
exterior & interior, **West Coast Door Co.**
sliding glass, **Arcadia Metal Products**

SCREENS
Tru-Frame, aluminum, **Rudiger-Lang Co.**

WINDOWS
fixed glass, **W. P. Fuller & Co.**

HARDWARE: Schlage Lock Co.

CLIMATE-CONDITIONING
heat pump, Weathertron, **General Electric Co.**

FIREPLACE
roman face brick, **Cannon & Co.**

PLUMBING FIXTURES: Crane Co.
bathroom accessories: **Hall-Mack Co.**
shower fitting: *Hydroguard*, **The Powers Regulator Co.**
shower door: **W. P. Fuller & Co.**
tile on vanity & shower: **Gladding McBean & Co.**
vent fan: **Stanthony Corp.**
bathroom heaters: **Electromode; Wesix Electric Heating Co.**

ELECTRICAL EQUIPMENT
panel board & circuit breakers: *Stab-Lok*, **Federal Pacific Electric Co.**
switching: *Bryant Multi-Control* wiring system, **Bryant Electric Co.**
dimmers: *Luxtrol*, **Superior Electric Co.**
lighting fixtures: **Prescolite Mfg. Co.**
chimes: **NuTone, Inc.**

KITCHEN EQUIPMENT: General Electric Co.
hood: **Stanthony Corp.**
cabinets: **Stocker Cabinet Co.**
counter tops: *Nevamar*, **National Plastic Products Co.**

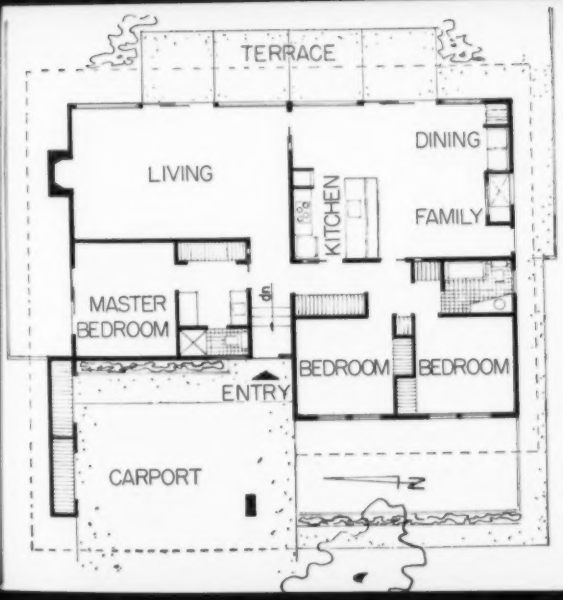
LAUNDRY EQUIPMENT: General Electric Co.
SKY-DOMES: Wasco Products, Inc.

ELECTRI-LIVING
CONDITIONED

Lighting adds a new dimension to living

Of all the living-conditioning factors, lighting is the most immediately apparent. It can diminish or increase visual *space;* it is *color's* constant critic and ally; it is *safety's* reassuring signal, and in subtler ways it can affect the individual's response to *sound* and *climate*. In the ELECTRI-LIVING home in Sacramento, California, it underscores these factors by extending the physical and emotional comfort each provides. To unite house and plot, exterior lighting fixtures are recessed in the overhang to create an outdoor curtain of light in balance with the indoor pattern of valance-, cove- and portable-lighting. This is night lighting designed to augment and accentuate such provisions by the architect for natural light as sky-domes in areas with a minimum of daylight, and a glass wall that extends in a sweep across entire rear of the house.

ERNEST BRAUN



Climate-conditioning permits house and plot to appear *and* perform almost as one. For example, garden elevation faces west, but insulating glass, properly calculated overhang and air-cooling (via a heat pump) work together to offset the hot afternoon sun. Sliding glass doors lead to separate, paved terraces for both the formal living room (opposite) and the more informal family-room-kitchen (above). In a remarkable example of space-conditioning, kitchen equipment has been built into a cabineted wall and peninsula so handsomely that it is part of the decoration

Interior decoration throughout follows the clean-cut simplicity established by architectural detailing. Interior and exterior fuse to create a single, dominant impression of flow and spaciousness from area to area, an effect in which lighting and color play an important role, as we have seen. In plan, however, the house divides roughly down the middle into a formal, quiet adult world and a children's play and sleeping quarters. Sound-conditioning is not only implicit in the plan; ceilings in each room in the house have been surfaced with acoustical plaster

DECORATION: JOHN BREUNER CO., WILLIAM S. LE NOIR, JR., DECORATOR

A private apartment has been set aside for parents: a compartmented dressing area-bath, a bedroom and an adjoining terrace. Once again, color and light unify the spaces. Dark red in bedspreads and the rich, dark brown of bed wall are picked up in pillows and planters of the terrace, in striped bath towels and lavatory accessories. The dressing area consists of a counter lavatory and sliding door closet and opens onto bedroom corridor; it terminates in a small, sliding door compartment with toilet and shower. Lighting interrelates all three spaces: skylight and overhead fixture in dressing area illuminate corridor; in the overhang exterior fixtures help to illuminate bedroom

For furnishings used in *Electri-Living* homes, see page 100

A LIFT FOR THE JADED PALATE

The art of seasoning—and it *is* an art—is not only monotony's enemy but the cook's challenge: it can make all the difference between a memorable meal and one quickly and willingly forgotten. It has, however, no place at all in the *Lay On, MacDuff* school of cookery: herbs and spices take themselves very seriously, and so should the cook. A good rule of thumb for dried herbs is about one-quarter teaspoon for four servings. With fresh herbs, use about one teaspoon—depending, of course, on the strength of the herb: sage, for example, is strong; savory is mild.

Both herbs and spices, like fine perfume, demand tender care: keep them tightly covered in a cool, dry place. Almost all of them are highly aromatic, and if their fragrance does not pour out to greet you when the container is opened, it is time to replenish: they are not at the top of their form.

When they are, however, they can make the following recipes a guaranteed stimulant for the most jaded of appetites. In most of them, fresh vegetables are the mainstay, and in all of them, an herb or a spice—sometimes both—sets them far and away off the familiar old, well-beaten path.

FRESH VEGETABLE AND SAUERBRATEN STEW

¾ cup cider vinegar
1½ cups water
1 whole bay leaf
5 whole cloves
5 peppercorns (whole black pepper)
dash of ground sage
⅛ teaspoon salt
1 medium onion, sliced
1½ pounds beef-stew meat
⅔ cup flour
1½ teaspoons salt
¼ teaspoon ground black pepper
3 tablespoons shortening
1½ cups boiling water
5 carrots
5 medium potatoes
5 whole onions
½ cup fresh peas or snap beans
6 gingersnaps, crumbled

- Combine the first 8 ingredients and heat to boiling point.
- Place meat in bowl and pour over hot mixture. Cool.
- Place in refrigerator to marinate for 24 hours.
- Drain. Reserve liquid.
- Dredge meat in flour mixed with salt and black pepper, and brown in the shortening.
- Add the marinade and water, cover, and simmer until meat is tender, 1½ to 2 hours.
- Add vegetables, cut in quarters, if desired, or left whole, 30 minutes before meat is tender.
- Thicken with crumbled gingersnaps.
- Makes 6 to 8 servings.

CAULIFLOWER AND CRAB MEAT AU GRATIN

4 cups sliced, fresh cauliflower
½ cup boiling water
1 teaspoon salt
2 tablespoons butter
2 tablespoons flour
1¼ cups milk
1½ teaspoons salt
¾ cup grated sharp Cheddar cheese
½ teaspoon whole orégano leaves, crumbled
2 6½-ounce cans crab meat
½ cup soft bread crumbs
1 tablespoon butter

- Place cauliflower, water and salt in a saucepan, bring to boiling point, uncovered, and cook 3 minutes.
- Cover and cook until partly done, about 3 minutes.
- Drain and set aside.
- Melt butter in a saucepan; blend in flour and gradually stir in milk.
- Cook until medium thickness, stirring constantly.
- Add ½ teaspoon of salt, cheese and *orégano*. Stir until well blended.
- Arrange cooked cauliflower and crab meat in alternate layers in a one-quart ovenproof casserole, sprinkling each layer with remaining salt.
- Pour cheese sauce over all.
- Mix bread crumbs with 1 tablespoon butter and sprinkle over the top.
- Bake in a preheated moderate oven (350°F.) 45 minutes or until crumbs are brown.
- Serves 6.

BRAISED FRESH VEGETABLES AND PORK

1½ pounds lean pork shoulder
1 cup beef broth
½ teaspoon ground marjoram
½ cup chopped green pepper
1¼ cups sliced onions
2 cups sliced celery
2½ cups shredded cabbage
1½ teaspoons salt
⅛ teaspoon ground black pepper
2½ tablespoons cornstarch
3 fresh tomatoes

- Trim excess fat from pork. Cut the lean pork shoulder meat into 1½-inch strips.
- Render a piece of fat trimmed from pork in a 9-inch skillet. Add pork and brown.
- Heat beef broth with marjoram and add ¾ cup of broth to pork.
- Cover and cook 10 minutes.
- Add green pepper, onions, celery, cabbage, salt and the black pepper.
- Cover and cook 10 minutes.
- Mix cornstarch with remaining beef broth and blend with vegetables and pork.
- Cut tomatoes into eighths and add to mixture.
- Mix gently to avoid breaking tomatoes.
- Cover and cook 5 minutes.
- Serves 6 to 8.

CHILI STUFFED EGGPLANT

1 eggplant (1½ pounds)
⅓ cup chopped onion
2 tablespoons butter
1 pound cooked shrimp
¼ cup fine, dry bread crumbs
1 egg yolk
1 teaspoon salt
¼ teaspoon ground black pepper
2 teaspoons chili powder
1 tablespoon chopped fresh parsley
½ cup soft bread crumbs

- Cut eggplant in half lengthwise and parboil 15 minutes.
- Scoop out pulp to within ½-inch of skin and chop fine.
- Sauté onion in 1 tablespoon of butter and mix with eggplant.
- Break shrimp into pieces and add to eggplant mixture.
- Blend in fine, dry bread crumbs, egg yolk, salt, pepper, chili powder and parsley.
- Fill the eggplant shell with this mixture.
- Melt remaining butter and mix with soft bread crumbs. Sprinkle over eggplant.
- Bake in a hot oven (400°F.) 20 to 30 minutes or until crumbs are brown.
- Serves 6.

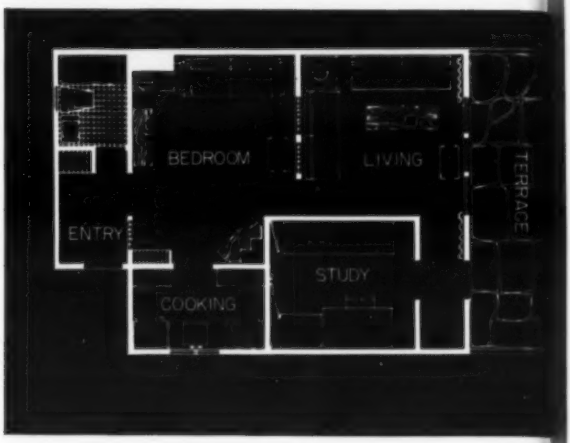
GHIVETCH (RUMANIAN)
(baked fish with vegetables)

¼ cup olive or salad oil
1 cup finely sliced raw cabbage
1 cup sliced fresh carrots
1 cup diced uncooked potatoes
1 cup diced fresh tomatoes
1 cup diced eggplant
1 cup fresh snap beans, 1-inch pieces
½ cup fresh green peas
½ cup sliced onions
½ teaspoon crumbled whole thyme leaves
1 whole bay leaf
1 teaspoon ground black pepper
1½ pounds fish fillets (sole, halibut, etc.)
salt and ground black pepper to taste

- Pour oil in a 12-x-9-x-2-inch baking dish. Heat in oven, if glass dish is used, or on top of range if metal pan is used.
- Combine vegetables and seasonings and pour into hot oil.
- Cover and bake 1 hour, or until vegetables are tender, in a preheated moderate oven (375°F.).
- Remove cover and place fish over vegetables.
- Sprinkle with salt and black pepper.
- Bake 20 minutes or until fish is tender.
- Serves 6.

[Continued on page 95]

The apartment, in addition to its one main area, has a tiny foyer that doubles as a bar, and, as shown in the plan, a small bath, an adequate kitchen, and a walk-in closet large enough to be made into a little study-workroom



ONE - ROOM "SUITE"

A hand-colored wallpaper mural in the foyer gives the apartment added perspective and a pleasant peek at Venice. The hutch-cabinet—very good Penn-ylvania Dutch—has a dry sink in its lower section, storage for china and glass above and below. Rugs throughout are handsome old Afghan Bokharas

Ingenuity, plus imagination and a few well-chosen tricks of the trade have succeeded in establishing a complete home in an area measuring 14 by 23 feet

Probably because so many people are so determined to live on it, the island of Manhattan—to the average man—is a monument to limited space, and its favorite godchild, the one-room apartment. Life for many New Yorkers is consequently bound by four walls, with no place to go (and remain under the same roof) but the kitchen to cook, the bathroom to bathe. Within this limited pattern, however, an amazing amount of variety can be devised, and rarely better than in the apartment at hand, the Greenwich Village home of Theodor Gleichman, a young interior designer with a good collection of antique furniture and a mind of his own. Determined to eat, sleep and entertain as though he had room to burn, he allocated a certain amount of space to the three functions and then defined each area with latticelike partitions, unusual wall treatments and furniture placement. The result is refreshing proof that there are obviously more ways than one to be the owner of a one-room apartment and still live—almost—like a king.

ERNEST ALEXA

Off the foyer (and nearest to the kitchen) is an area used for both dining and sleeping. A convertible sofa covered in black linen is set against a mirrored wall—an effective background for a collection of old French cordial bottles, rare, amusing, and lighted by a concealed fixture above the mirror. When not in use, the drop-leaf table goes into a corner, and the dining chairs—English Regency black lacquer—against the wall by the hutch

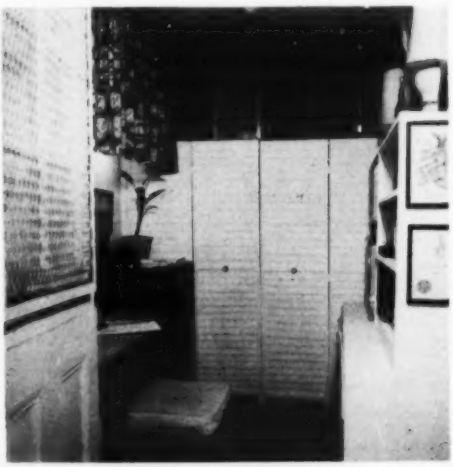
Both couches in the second section can double as beds if need be, but this is primarily an area for entertaining, for informal meals, for picture hanging. The low oak table came from the guardroom of a Spanish castle, the pictures from everywhere (including Ted's own easel), and on the opposite side of the room, out of sight when not in use, television and hi-fi are hidden in the depths of an old armoire

[Continued on page 86]

One-room "suite" [Continued from page 85]

An old Tyrolean armoire does double duty in the entertainment area. A handsome piece in its own right, it opens its doors to reveal—when *wanted*—hi-fi, records, and a TV that swivels for comfortable viewing

Once a catchall, now a little office, an old clothes closet proved large enough to house bookcases, filing cabinets, a desk, and still provide—behind the louvered screens—adequate hanging space for clothes. Space well used provided both study and dressing room, a utilitarian area carefully segregated from the apartment proper, yet attractive in itself



Correlated fabric and wallpaper are used very stylishly in the scarlet, white and bright porcelain blue bathroom. Red silk draperies are hung over white duck shower curtains, and the liqueur labels of the wallpaper are repeated in a canopy suspended like a tent over the tub

Kitchen has folding, louvered doors and, at its window, an Austrian blind made, interestingly, of chintz patterned in the same harlequin diamonds that spangle the ceiling's wallpaper. The screenlike divider that defines the foyer is one of two used in the room: both are natural cypress, delicately fretted to permit passage of light—an obvious necessity

What's new for

LIVING

FOR YOUNG HOMEMAKERS

A flood of new household, home-construction and garden products enter the American market every month, aiming to enrich and at the same time simplify the homemaker's life. We view all these products with interest, realizing that some will play an important role in modern living, while others, for lack of usefulness or intrinsic failing, will disappear. The products reviewed in these columns are selected from the most recent introductions only after thorough checking for both practicality and quality by our staff.

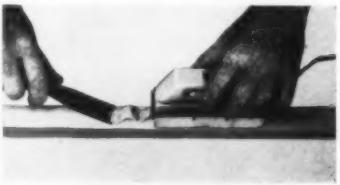
Cultivator with a cutting blade permits close-up work while standing. It is balanced perfectly as a golf club. *Swoe* is an English import by Connoisseur Garden & Home

Driveway reflector of many faceted *Plexiglas* may save tree beside garage—and the car radiator. *Spark-L-Ite* is mounted on 18-inch steel rod which comes with 14- and 10-inch extensions. By Dynamic Specialties

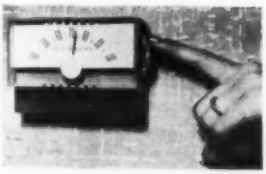
Vacuum for cleaning shop, garden shed or basement picks up larger materials that would clog and damage smaller cleaners. *Shop-Vac's* double-size, two-and-one-half-inch diameter hose attaches to a 28-gallon metal fiber drum or standard 24-gallon disposal can. By Craftool

Small axe weighs just a pound, can be easily carried on hikes, yet is strong enough to do full duty chopping firewood. *Firefly Survival Axe* handle can be filled with wet sand for more weight. By Safety Research & Manufacturing

Paint remover is vest-pocket size, peels paint, varnish or stain from anything, small window sashes to large table tops. *E-Z Paint Peeler* works by heat penetration, may be used on 110 volt, and on either AC or DC current. By Experimental Engineering



Plastic lacquer restores luster and colors of old plastic panels. *Resolac* is easily applied with brush or low-pressure spray and dries in minutes. A gallon covers about 400 square feet. By Resolite



Room thermostat simplifies temperature setting with bold, clear numerals and dial adjustment. The air-conditioning unit mounts at base. By General Electric

Tree wound dressing gives the gardener and conservationist just what the tree surgeon ordered. The easy aerosol dispenser sprays fungi-resistant black seal over exposed wood where branch or bark has been removed. By Du Pont

HOW TO USE ART IN DECORATION

All young families take pride in some work of art in their homes, be it an inexpensive print, an original oil painting or a piece of sculpture for which they may have saved a long time. Too often, however, the cherished object is not fully enjoyed because it has not been incorporated successfully into the over-all decoration of the room. With this problem in mind, the Midtown Galleries of New York City began a few years ago an annual exhibition to show how good, contemporary American art can be used to best advantage in the home. Each year they ask leading designers to plan rooms in which painting and/or sculpture are integrated in an imaginative and practical way. Here are settings from a recent exhibit which have interesting decoration pointers as well as tips on how to make the most of your pictures.

Furniture designer Edward Wormley arranged a small study to highlight two paintings, a drawing and a small piece of sculpture. The lowest shelf of a built-in storage wall is a small gallery for a changing exhibit, with concealed illumination on dimmer control to show how the amount of light can be varied to suit occasion. On second shelf from top, a painting is placed behind its built-in frame sufficiently for interposition of a concealed light source. Paintings by Betty Parsons and Robert Vickrey

Using black and white ticking for the wall-covering, interior designers Manashaw and Daggett, A.I.D., created three details in a small hall. Left, the formality of an entrance is softened by light concealed in a console planter which throws a wash of light over the painting above. Canopied dining corner becomes a shadow box for a pair of still lifes, while a grouping of drawings over a bench creates a composition without detracting from each work

Art in today's dining room is a far cry from the pictures of assorted dead fauna which haunted grandmother's buffet. In a French provincial setting, John Wisner, A.I.D., has successfully combined a blue-and-white-patterned-fabric wall-covering with paintings. Illuminated shelves are ideal locations for sculpture

ERNEST SILVA

A blend of oriental and occidental is the theme of a contemporary corner designed by architect David Leavitt, A.I.A. Bold geometric pattern of red and white carpet is repeated in arrangement of paintings by William Palmer, and in the arrangement of benches and pillows. Suspended from trellis is a delicate piece of sculpture, *Birds in Flight*, by Arline Wingate

The American Red Cross believes baby care is a family affair, provides husbands and wives with all study material including robust baby dolls. Couples like the early arrivals in this New York City class take the whole matter quite studiously

CLASS FOR NEW DADS

BURT OWEN

Aprons donned and sleeves rolled up, husbands manfully tackle their first bout with a diaper while wives look on. George Wagner, in foreground, proved an apt pupil, managed to avoid inserting safety pin in doll. Course eliminates fear of handling baby

In the concept of marriage as an unlimited partnership, attention is too often focused on the bewildering duties which the wife is expected to assume. We tend to forget that the husband, too, is adjusting to a whole new complex of duties. One of these is a healthy slice of responsibility for the physical care of the young. Reflecting this change in approach, the American Red Cross, which for many years held classes in baby care for expectant mothers, began not long ago to include fathers, too. Husbands and wives now attend classes together twice a week for three weeks, take turns learning to dress and undress, diaper, feed and bathe baby (the ARC furnishes a 21-inch, 8-pound doll, waterproof and complete with articulating hip and shoulder joints). The usual class has ten couples and the ARC reports male interest equally as high as female. In fact, in cases where the wife delivers prematurely or becomes incapacitated during the course, the husband usually continues alone. Red Cross nurses report husbands are more awkward than wives. Only one marked difference in technique invariably crops up: husbands *always* shake the baby after taking him out of the bath, a difference that never fails to get a hearty laugh from the ladies!

Proper technique of handing baby back and forth is an important part of course. Nurse Marie K. Mackey here coaches the Robert Swartzes. Bulletin board in background is always covered with birth announcements from enthusiastic graduates who like to keep in touch

Working together is also taught as part of the Red Cross baby-care course. Eva and Stanley Rubin learn technique of folding diapers, or rather Stanley learns from Eva. Couples wear name tags prominently throughout course which encourages friendliness among young families

Bathing sequence is guided by Nurse Mackey who first instructs George Wagner in the mysteries of the cradle hold (above) preparatory to placing doll in tub. Football-hold (below) comes more naturally when baby is removed and dried. Diapering and dressing for bed followed

Crib-making and placement of infant for sleep also require special techniques. Red Cross classes range from prenatal care through baby's first year

Help from wives is often a must. Martin Salmon had to rely on Elaine at a crucial point in diapering. Classes are a balance between serious study and lighter moments of wife-husband rivalry. Homework is also part of the parents' course; Red Cross supplies extensive bibliography

Turnabout is fair play and wives must now take husbands' well-meant joshing. George Wagner was able to give Noreen a few pointers. Red Cross holds courses in cities all over the country, sometimes in department stores. Similar courses are given in some communities by visiting nurse associations, the hospitals and local departments of health

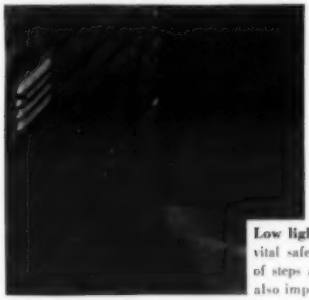
Electrical comforts [Continued from page 6]

Compressor is a kind of "outdoor lung," installed separately in housing away from house proper. This remote system is linked to compact indoor unit. Masonry structure behind is an outdoor storage locker

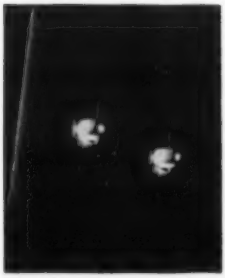
Electric radiant panel heating is another type of quick-heat for bathroom. Wall installation consists of a glass unit in which a grid of aluminum wires is embedded

Combined heat-pump unit consists of heat exchanger, compressor and air coil housed as a unit. Installation must in this case be along an outside wall for induction of air, here through louvered doors opening onto carport

Safety-conditioning

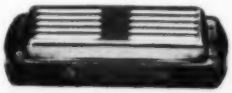


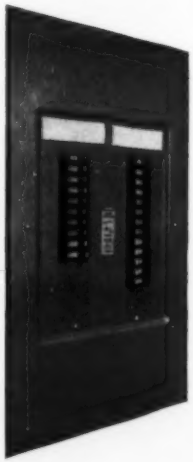
Low lighting at stairways is a vital safety precaution. Number of steps and height of riser are also important considerations



Night-lighting device which reveals location of switch-plate is both a light- and safety-conditioning measure in bedroom, hall, bath

Fire detector is a thermostatic device which registers signal on a central panel (page 93) and sounds alarm when a dangerous, preset temperature is reached





Panel board is symbolic of the importance of adequate wiring to safety-conditioning. Circuit breakers cut contact when overloading occurs. Size of the board anticipates future increase

Master control panel for fire alarm system lights up to show location of fire, as alarm sounds simultaneously. Water temperature control for tub and shower (above) removes scalding danger

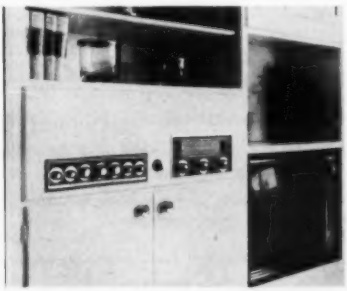
Space-conditioning

Good kitchen planning is synonymous with space-conditioning. A separate niche for appliances here includes flush-wall mounted control center for appliances with retractable cords and automatic start- and stop-timer. Storage is in base cabinet. Compact kitchen arrangement below has all the appliances and the work centers within a single step

Compact laundry center adjacent to kitchen area for economical plumbing installation includes full storage space and equipment for home-washing operations. Doors can be closed to shut area from view

Sound-conditioning

Location of high-fidelity and television equipment as well as piping of music throughout the home are part of acoustical control. Installation below includes equipment built into book and record storage wall. Double doors open for accessibility to turn-table, recorder



A check-list of Living-Conditioned benefits

[Continued from page 67]

- [ ] Is your house treated and/or protected against termites?
- [ ] Is electrical wiring sized to safeguard against overloading?
- [ ] Is the electrical system protected from overloading or shorting by circuit breakers?
- [ ] Are all electrical appliances properly grounded to safeguard against shock?
- [ ] Are electrical outlets "childrenproof" safety units?
- [ ] Do dimmer-type switches safeguard against sudden light blindness?
- [ ] Are passages, steps, and/or baths permanently night-lighted?
- [ ] Are all work surfaces properly lighted to give shadowless illumination?
- [ ] Are tools and equipment stored or placed so that visual contact is assured?
- [ ] Are storage areas and shelves all within arms' reach?
- [ ] Are sharp tools, chemicals, bathroom supplies safely stored away from children?
- [ ] Are electric tools switched off with a key or cut-off control?
- [ ] Is kitchen appliance switching out of children's reach?
- [ ] Are floors and floor surfacing slipproof?
- [ ] Does bathroom have grab-bars properly located for easy reach?
- [ ] Is the hot water thermostatically controlled against scalding?

Climate-conditioning: the orientation of site and structure combined with the engineering of building materials and mechanical equipment to control physical comfort

- [ ] Is your lot located to take advantage of prevailing breezes?
- [ ] Does it capitalize on trees, shrubbery and natural growth for control of sun and wind?
- [ ] Is your house placed on the lot to take advantage of these natural conditions of the site?
- [ ] Are outdoor living areas placed to enjoy shade and breeze?
- [ ] Are your windows properly located, sufficient in number and size to use winter sun for additional heating?
- [ ] Do the windows have insulating glass to minimize the extreme effect of outdoor climate on indoor temperature?
- [ ] Are exterior openings—windows and doors—weather-sealed?
- [ ] Do all the openings have storm sash and/or auxiliary protective closing devices?
- [ ] Do you have controlled ventilation in kitchen and baths?
- [ ] Are roof, exterior walls and perimeter foundation fully insulated?
- [ ] Is this insulation protected from moisture and air infiltration with a vapor barrier?
- [ ] Does your roof overhang extend sufficiently to shade walls and windows during summer periods of high sun?
- [ ] Is the overhang calculated to admit sun's lower winter rays?
- [ ] Do large glass areas have auxiliary shading devices—awnings, trellises, screening, landscaping—where necessary?
- [ ] Is your heating-cooling system designed to provide independent control for different zones and periods of use during the day?
- [ ] Is the system engineered to pin-point heating or cooling at the areas of maximum exposure—near windows and doors?
- [ ] Does the system have a method of controlling humidity?
- [ ] Does it have an electronic filter to eliminate pollen and dirt?
- [ ] Is your heating-cooling system electrically controlled to maintain a preselected, even temperature condition?
- [ ] Does the system have an outdoor device—an "anticipator"—which eliminates the effects of sudden climate changes?

Color-conditioning: the co-ordination of interior, exterior decoration planning to make the small home visually and psychologically more pleasing

- [ ] Were exterior building materials—roofing, siding, masonry—chosen to blend with the natural tones of surrounding landscape?
- [ ] Were trim colors schemed with the colors of other exterior elements?
- [ ] Were awnings, baffles and other removable, seasonal accessories chosen as part of an over-all exterior color plan?
- [ ] Were gardens planned colorwise in relation to the colors of rooms from which garden plants would be seen?
- [ ] Was decoration of patios and terraces planned to relate to colors of corresponding interior spaces?
- [ ] Was your automobile color selected to blend with or accent the exterior colors of your home?
- [ ] Was the interior color scheme planned to give a feeling of continuity from one room to another, the pervasive quality which makes a small home seem larger?
- [ ] Have colors been used for their ability to seemingly increase or decrease room dimensions?
- [ ] Have interiors been color-schemed according to the effect of natural and artificial light in various areas?

[Continued on page 98]

A lift for the jaded palate

[Continued from page 83]

SWEDISH FISH PUDDING
(sillpudding)

Served steaming hot, this makes an excellent luncheon or supper dish.

½ pound pickled herring (3 to 4 fillets)
2 medium potatoes, peeled and sliced thin
1 cup thinly sliced onions
1½ teaspoons paprika
1 teaspoon ground dill seed
½ teaspoon salt
⅛ teaspoon ground black pepper
2 eggs, beaten
1¼ cups milk
¼ cup fine dry bread crumbs
paprika for garnish

- Cut fish in ¼-x-2-inch strips. Place in greased 1½-quart casserole, alternating layers of fish, potatoes and onions.
- Sprinkle each layer with paprika, dill, salt, black pepper.
- Combine eggs and milk and pour over mixture.
- Cover and bake for 1 hour in preheated oven (350°F.).
- Remove cover and sprinkle bread crumbs over top.
- Bake 25 minutes or until crumbs are brown.
- Garnish with paprika.
- Serves 6.

STUFFED ONIONS

For best results, buy yellow onions with tight necks and crisp skins.

6 large onions
1 tablespoon salt
boiling water to cover onions
1 cup diced, cooked ham
1 cup soft, fine bread crumbs
1 tablespoon onion water
1 teaspoon salt
⅛ teaspoon ground black pepper
½ teaspoon ground thyme
3½ tablespoons butter, melted
¼ cup grated American or Cheddar cheese

- Peel onions and place in a 4- to 5-quart saucepan. Sprinkle with salt, cover with boiling water.
- Bring to boiling point and boil, without cover, until just barely tender.
- Remove onions from water and drain.
- Scoop out centers, leaving enough of the outside layers to make a substantial wall.
- Chop enough of the centers to make 1 cup and mix with luncheon meat, ½ cup of bread crumbs, onion water, seasoning.
- Fill onion cavities, mounding up the stuffing.
- Brush with 2 tablespoons of melted butter.
- Place in a shallow baking dish. Cover and bake in a preheated moderate oven (350°F.) for 15 minutes.
- Remove cover and sprinkle with remaining soft bread crumbs mixed with remaining 1½ tablespoons melted butter and grated cheese.
- Bake, uncovered, 10 minutes or until crumbs are brown.
- Serves 6.

ARMENIAN SPINACH AND LAMB

1 pound lean shoulder of lamb
2 tablespoons butter
1 cup sliced onion rings
1 cup boiling water
2 pounds fresh spinach
¾ teaspoon crumbled rosemary leaves
2 cups diced, fresh tomatoes
1¼ teaspoons salt
¼ teaspoon ground black pepper
2 tablespoons flour
2 tablespoons cold water

- Trim excess fat from lamb and cut into 1-inch cubes. Brown meat on all sides.
- Add onions and cook slowly for 15 minutes until tender but not brown.
- Add boiling water, cover and cook until meat is tender, about one hour.
- Wash spinach and cut into large pieces.
- Add to the lamb along with rosemary, tomatoes, salt and black pepper 15 minutes before cooking time is completed.
- Mix flour with the 2 tablespoons cold water and stir into mixture.
- Cook only until slightly thickened, about 1 minute.
- Serve at once.
- Serves 6.

HERBED TURNIP WITH DUCK

4 to 5 pound ready-to-cook duckling

[Continued on page 100]

NOW! EASIER, SURER PROTECTION
FOR YOUR MOST INTIMATE MARRIAGE PROBLEM
Tested by doctors . . . proved in hospital clinics

A NORWICH PRODUCT

Tested by doctors . . . Trusted by women

1. Antiseptic (*Protection, germicidal action*) Norforms are now *safer and surer than ever!* A highly perfected new formula releases its antiseptic and germicidal ingredients *right in the vaginal tract.* The exclusive new base melts at body temperature, forming a powerful protective film that permits long-lasting action. Will not harm delicate tissues.

2. Deodorant (*Protection from odor*) Norforms were tested in a hospital clinic and found to be more effective than anything it had ever used. Norforms are powerfully deodorant—they *eliminate* (rather than *cover up*) embarrassing odors, yet have no "medicine" or "disinfectant" odor themselves.

3. Convenient (*So easy to use*) Norforms are small vaginal suppositories, so easy and convenient to use. Just insert—no apparatus, no mixing or measuring. They're greaseless and they keep in any climate. Your druggist has them in boxes of 12 and 24. Also available in Canada.

***FREE** informative Norforms booklet*

Just mail this coupon to: Dept. LY-81
Norwich Pharmacal Company, Norwich, N. Y.

Please send me the new Norforms booklet, in a plain envelope.

Name_____
(PLEASE PRINT)
Street_____
City_____ Zone____ State____

Have you ever been STARCHED?

Perhaps you at one time or another have been approached and shown a copy of this or another magazine and asked a series of questions such as: Do you recall a particular advertisement? Can you remember what the ad said? Which ad do you remember best?

These questions and others like them form a readership study known by the esoterics as Starch Reports. You'll be interested to learn that a large number of the magazine ads you see are based on analyses of these reports, the idea being that the use of certain words, combined with certain pictures, arranged in a certain way will result in your remembering a certain ad more than others.

Now, in this space each month we tell you something about our E-Z-DU washable wallpaper. The messages primarily are addressed to those who by choice or necessity are do-it-yourself advocates. The thought is very simple . . . if you are decorating a new home or redecorating an old one, try E-Z-DU Imperial wallpaper. It comes ready trimmed and pasted. You need only cut a strip to proper length, wet and sponge on the wall. That's all! Primer style picture instructions come with every roll. E-Z-DU wallpapering is really easy to do and the results are happy, the cost is modest. Ask your Imperial dealer for a demonstration.

Getting back to Starch . . . if you would like to confound the experts, remember this ad. It violates all the rules . . . too small, no pictures . . . many other things. Your comments might even revolutionize advertising. Heavens to Betsy!

IMPERIAL PAPER AND COLOR CORPORATION
Glens Falls, New York

Survival IS NOT ENOUGH!
Join
THE **MARCH OF DIMES**

The National Foundation For Infantile Paralysis

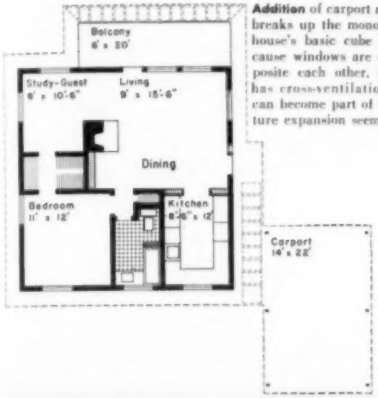
Modern formula for added sleep-space . . . The Trundle Twin (shown in ebony) . . . perfect for small homes or apartments. The Trundle Twin rolls out (even into another room) to make guests welcome overnight . . . slips "under-cover" at daybreak to double the duty of those old familiar spaces. Ask your dealer about Trundle Twin or write to the Trundle Twin Company, 330 Municipal Court Building, Ann Arbor, Michigan.

Advantage was taken of the sloping site to provide ground-level entrances for both the house and the workroom in the basement. A two-foot overhang that extends all the way around house has been left open at one point to light the living room in both winter and summer

CLOSE COLLABORATION YIELDS A BONUS HOUSE

The Robert Erismans, of North Stonington, Connecticut, have good reason to bless their builder. When they decided to build, they had no illusions as to what they could get for what they could afford—an adequate minimum house that would suit their needs. Thanks to a co-operative builder, they now possess something a great deal better, and at a cost well within their budget. Choosing a wooded slope, the couple designed their own home, then went into consultation with builder Theodore Reid. Accepting the project as something of a challenge, Mr. Reid studied the plan, made some suggestions, and the house was underway. Everything was kept flexible as the building progressed. If one material was more expensive than another, but a better investment in the long run, or if the cost of labor exceeded the cost of a material, the Erismans were able to weigh the problem carefully and then decide where the real economy lay. The result of this builder-owner collaboration is a delightful house of generous space and sound workmanship, all (35 acres included) for $10,600.

FRANK JO RAYMOND



Addition of carport and balcony breaks up the monotony of the house's basic cube design. Because windows are directly opposite each other, every room has cross-ventilation. Carport can become part of house if future expansion seems necessary

Antique furniture blends happily with this contemporary house. All interior walls and ceilings are 8-inch-wide tongue-and-groove red pine paneling. Floors (except for bathroom and kitchen which are covered with linoleum tile) are random-width *apetong* (West Indian mahogany). Door at left opens on a 20-foot balcony equipped with removable screens for summer outdoor living

Kitchen (opposite) is U-shaped and has about 20 feet of continuous counter space. All the custom-built cabinets have old iron H hinges found at a country auction. Swinging louvered doors separate kitchen from living room, but do not block the cross-ventilation. Laundry, pump and oil burner are in basement

Free-standing cement-block fireplace provides nook for built-in desk and sets off one end of living room for use as study or guest area. Walk-in closet in bedroom is so designed that it may be shared with guest area when necessary. Colors used in decorating—charcoal, warm brown and blue—reflect the out of doors and give the house an added feeling of comfortable spaciousness

THE BEST OF COMPANY

Here is hospitality that proves to your guests you think the best is just right for them. *Here is Cream Sherry superiority* . . . rich, fragrant, full-bodied with years of leisurely mellowing in white oak. Serve WIDMER'S *New York State Golden* CREAM SHERRY after dinner or when friends drop in. Enjoy the pleasant assurance of being *unquestionably* right.

Write for New Wine Manners and Cookery Booklet . . . Dept. L

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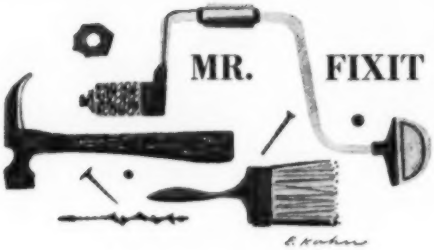
A check-list of Living-Conditioned benefits

[Continued from page 94]

- ☐ **Was the interior decoration planned to create flattering backgrounds for the coloring of the individuals who inhabit the rooms?**
- ☐ **Were colors of open-planned rooms chosen in tandem to create a unified appearance?**
- ☐ **Were colored kitchen appliances and laminates chosen for unobtrusive blending with surrounding spaces?**
- ☐ **Were bath fixtures and accessories—towels, mats, etc.—selected to relate to the decoration of bedrooms and other areas they serve?**
- ☐ **Were bed tickings, blankets, sheets color-schemed with bedrooms?**
- ☐ **Were linens, accessories and table bouquets chosen to relate to dining-area color scheme?**

Sound-conditioning: the maintenance of a level of sound through interior planning and the use of materials for acoustical control

- ☐ **Does the house-plan permit active and quiet—children's and adults'—worlds to operate with minimum intrusion of noise?**
- ☐ **Has acoustical tile or other acoustical material been used for sound absorption in ceilings of family room, kitchen and children's rooms where maximum noise is created?**
- ☐ **Have special construction techniques and materials to reduce transmission of sound from one space to another been used?**
- ☐ **For example, has double studding been used around baths, recreation rooms, kitchen and centers of major family activity?**
- ☐ **Have closets been located for absorption of sound within a bedroom and for reduction of sound transmission from one bedroom to another?**
- ☐ **Have sleeves around pipes carrying heating and plumbing from room to room been stuffed to make them airtight?**
- ☐ **Have solid fillers been installed between the backs of medicine cabinets in twin bathrooms?**
- ☐ **Have rugs, carpets and underlay been used on floors of rooms located above other rooms to absorb sound and reduce transmission of sound?**
- ☐ **Have elements of interior decoration—draperies, rugs, etc.—been planned for their use as sound-absorbers in a room?**
- ☐ **Has mechanical equipment been chosen for quiet operation and located in well-insulated spaces away from quiet areas?**
- ☐ **Have solid-core doors with full weather-stripping and sealed thresholds been used for areas in which unpleasant or unusually loud noises are created?**
- ☐ **Has house been placed on the plot to keep quiet areas of the house farthest from street noises and noises of cars entering carport or garage?**
- ☐ **Are outdoor living and dining areas located away from street and neighbor noises?**
- ☐ **Has music-making equipment been located for maximum acoustical pleasure and for least disturbance of quiet areas of home?**



LIVING *For Young Homemakers' building and home repair experts will help you solve your problems on this page every month. If you have an immediate emergency, a stamped, self-addressed envelope will bring you a prompt reply. Questions about equipment and building materials will be answered frankly and honestly according to the results of our research. Mail inquiries to Mr. Fixit, LFYH, 575 Madison Ave., New York 22, N.Y.*

Q. I own an old house which has an unlined chimney running up from the fireplace in the living room. I have been afraid to use the fireplace because of the fact that the chimney is unlined as well as old. Before doing anything about this I would like to know if there is any solution to the problem other than building a new chimney. R.W.

A. If the chimney is perfectly straight and without any offsets, a good mason could probably drop flue lining from the top and make the chimney completely safe. It is also possible to drop down heavy-gauged, galvanized smoke pipe with slip joints so that you would have a continuous metal flue inside the old chimney.

Q. I am troubled by what is called a bouncing floor. The carpenter I consulted said that there was no cross-bridging under the floor, but his price for installing it is more than I can afford. I would do the work myself but am not a good enough mechanic to cut the strips with the double angle or miter required. Would it help any to nail strips across the bottom of the beams? R.K.

A. No. If you cannot cut the cross-bridging for an orthodox job, we suggest that you use solid-bridging. This is simply pieces of plank cut at right angles so that it fits up solidly between and at right angles to the beams. The pieces should be cut full, so that they go in tight, and are nailed. This method is frequently used and is satisfactory.

Q. We have a real problem with a sun porch which is almost all fixed sash, with only two windows that can be opened. Last summer the heat in there was unbearable. It was suggested that I put plywood panels over the corner fixed sash and so reduce the effects of the sun, but this is impractical as the sash has diagonal strips which would prevent the panels lying in flush. Can you suggest anything? E.M.

A. This same problem was met recently in the following manner. The corner sash glass was given a heavy coat of green rubber-base paint, and then two coats of white paint on each side. The result was that the sash looked solid instead of glazed and no sunlight could penetrate. In this case, the outside of the house and the sun porch were painted white. In your case, you can use any color over the green rubber-base paint you desire.

Q. Our house is very small and has no attic or cellar. We have what is known as dry-wall construction inside. We have noticed small, round rust spots along the joint between walls and ceiling, and also in some spots about a foot below the ceiling in both bedrooms. Could you suggest what causes this and what can be done about it? F.M.

A. This problem arises in many dry-wall houses. Dry-wall mean that panels of composition material or wallboard are used instead of plaster in finishing the interior of the house. Condensation from the space beneath the roof causes the nailheads, used in securing the panels, to rust and show through. There are two things to do. First, arrange some kind of ventilation under the roof, second, sand off the spots lightly, apply a dab of shellac and then repaint.

SPADE AND TROWEL

If you have a gardening problem LIVING *For Young Homemakers' garden experts will help solve it for you. Queries of general interest will appear on this page every month. For a prompt reply to more specific and individual problems, send us a stamped, self-addressed envelope.*

Q. Are there any kinds of Japanese flowering quince shrubs besides the old-fashioned harsh, red variety? L.L.T.

A. Yes, here are some of the best, with their blossom colors: Nivalis, white; Rubra grandiflora, deep crimson; Corallina, salmon-pink; Columbia, deep rose; Baltz, rosy pink.

Q. All our cantaloupe vines wilted and died last summer soon after the fruits started to grow. What should we have done? J.T.B.

A. This was a wilt disease transmitted by cucumber beetles feeding on the very young plants. Cheesecloth-covered frames placed over the plants from the time the seeds sprouted until their trailing stems were at least six inches long would have saved them.

Q. Can apricot trees be grown in the North? W.W.S.

A. Generally speaking, apricots can be grown wherever peaches are successful. However, in regions subject to late spring freezes the flower buds are often killed to such an extent that little or no fruit is produced.

Q. What pot size is best for house plants? M.T.D.

A. It all depends on what kinds of plants you have. In general, the pots should be just big enough to hold all the roots. Most primroses and wax-begonias require pots measuring four and a half to five inches across the top.

Q. Are there any attractive small plants that will do well all winter in an unheated sun porch where the temperature may drop to 10 degrees at night and rise to 70 degrees on sunny days? J.H.O.

A. No, such extreme fluctuations in temperature would kill any small plant that could fairly be called "attractive."

Q. What sort of treatment should be applied to the little black bugs that feed on our chrysanthemums late in the summer? G.D.T.

A. These pests are aphids, and very common. The standard control is a spray of any standard "contact" insecticide such as nicotine sulphate and soap. Apply often enough to save new growth.

Q. We have an indoor fernery in a south window with Venetian blinds to exclude direct sunlight. The ferns do well, but we would like to grow a few flowering plants among them. Would this be at all possible? G.K.W.

A. Your best chance would be with potted African violets or small winter-flowering begonias.

Q. I have several scattered, cultivated blueberry bushes in excellent condition, but the birds eat all the fruit before it is fully ripe. Cheesecloth draped over the bushes helps somewhat, but is an annual nuisance. Any suggestions? D.F.L.

A. The only real solution is strong-framed individual cages of one-inch galvanized poultry wire, each with a close-fitting door for human use. Build the cages amply large to allow for future growth of the plants. They will provide complete protection for years.

Q. How can we keep bagworms off our junipers and other evergreens? M.P.S.

A. Spray with arsenate of lead in late spring. Pick off and burn bags in autumn and winter.

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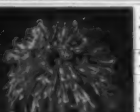

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FURNISHINGS IN ELECTRI-LIVING HOMES

HOW TO EVALUATE SPACE IN TERMS OF COMFORT
Los Angeles, California

Pages 35-39

Terrace: iron furniture, **Vista;** curtained umbrella, **Tropi-Cal.** *Family room:* table, benches, **Brown-Saltman;** upholstered chairs, **Metropolitan;** lamp, **Lightolier;** small tables, **Vista.** *Living room:* upholstered furniture, **Prentice;** wood furniture, **Glenn of California.** *Bar:* benches, **Brown-Saltman;** buffet, **Glenn of California.** *Children's room:* furniture, **Vista;** carpet, **Callaway Mills.**

THE SOUND ECONOMY OF TOTAL SPACE PLANNING
Houston, Texas

Pages 40-43

Terrace: basket chair, **Tropical Sun;** wrought-iron group, **Gallo Iron;** chairs, table, **Utility Cabinet.** *Family Room:* sofa, **Maddox Furniture;** wrought iron and wood furniture, **Young Family;** fabric (throughout house), **Riverdale.** *Bedroom:* wood furniture, **Young Family;** piano, **Baldwin.** *Study:* furniture, **American of Martinsville;** TV set, **R. C. A.** *Living room:* furniture, **American of Martinsville;** carpet, **Monarch;** lamps, **Laurel.** *Master bedroom:* furniture, **American of Martinsville;** mattresses and box springs, **Englander.**

TRIPLE-BARRELED ANSWER TO SPACE
Boise, Idaho

Pages 44-47

Terrace: furniture, **Durham.** *Kitchen-family room:* sofa, **Hayes;** table, chairs, counter chair, **Dux;** bar stool, **Tropi-Cal;** fabric, **Quaintance.** *Living room:* table, chairs, **Founders;** upholstered furniture, cocktail tables, **Dux;** bookcases, **Sligh-Lowry;** fabric, **Walter Fabrics;** carpet, **Karastan;** lamp, **Marshall Studios.** *Boy's room:* couch, **Modern Lounge;** chair, **Herman Miller;** fabric, **Hexter;** carpet squares, **Allen Industries;** lamp, **Lightolier.**

VARIETY THROUGH THE EXPLORATION OF SPACE
Topeka, Kansas

Pages 48-52

Living room: sofa, **Schoonbeck;** lounge chairs, lamp tables, **Century;** end table, **Imperial;** round table, **Heritage;** carpet, **James Lees & Sons;** fabric, **Greeff;** lamp, **Crest.** *Dining area:* table, chairs, **Century.** *Family room:* table, chairs, **Century;** upholstered chair, **Heritage;** TV set, **General Electric.** *Kitchen:* cookware set, small appliances, **West Bend;** toaster, **Sunbeam;** mixing-bowl set, **Pyrex;** electric can opener, **Klassen.** *Bathroom:* towels, **Fieldcrest.**

COLOR ESTABLISHES CONTINUITY OF SPACE
Tampa, Florida

Pages 53-57

Living room: furniture, **Tomlinson;** carpet, **Karastan;** carpet underlay, **Allen Industries;** planters, **Architectural Pottery.** *Bedroom:* furniture, **Tomlinson;** carpet, **Wunda Weve;** fabric, **Cohn-Hall-Marx.** *Kitchen:* chairs, **Shaver-Howard;** chair, **Herman Miller;** typewriter, **Royal;** electric blender, **Waring Blendor;** mixing bowls, **Plastex;** electric mixer, **Sunbeam;** carafe, **Inland Glass.** *Boys' room:* bedframe, **Harvard;** carpet, **Wunda Weve;** chest, **Heritage;** chair, **Herman Miller;** fabric, **Golding;** TV set, **Zenith.**

THE YARDSTICK IS FLEXIBILITY
Greensboro, North Carolina

Pages 58-61

Living-dining room: wood furniture, **Mt. Airy Furniture;** upholstered furniture, **Sherrill Upholstery;** carpet (throughout house), **Wunda Weve;** desk lamp, **Paul Hanson.** *Master bedroom:* wood furniture, **United;** upholstered furniture, **Sherrill Upholstery.** *Children's room:* wood furniture, **Kent-Coffey;** bedspread, **Morgan Jones;** mattresses, **Serta;** lamp, **Lightolier.**

A HOUSE BLESSED WITH NATURAL RESOURCES
Winter Haven, Florida

Pages 62-65

Terrace: furniture, **Woodard;** TV set, **Phileo.** *Living-dining room:* chests, **Founders;** armchairs, table, chairs, **Heritage;** area rug, **Needletuft;** fabric, **Schumacher.** *Living room:* sectionals, **Trendé;** tables, **Heritage;** area rug, **Needletuft;** lamp, **Frederick Cooper;** matchstick draperies, **Tropicraft.**

HOUSE AND SITE: PERFECT MARRIAGE
San Diego, California

Pages 68-71

Terrace: furniture, **Vista.** *Living room:* sofa, **Dependable;** upholstered chairs, **National Upholstery;** side chair, **Selig;** tables, chairs, **Hekman;** bench, **Vista;** carpet (throughout house), **Philadelphia Carpet;** chandelier, **Americraft.** *Activity room:* furniture, **Vista;** drapery fabric, **Schumacher;** TV set, **General Electric.** *Hallway:* wall unit, **Selig;** chair, **Vista.**

UNINHIBITED DESIGN CONQUERS THE LIMITATIONS OF THE SMALL LOT
Oklahoma City, Oklahoma

Pages 72-77

Den: upholstered furniture, table, **Valley;** end table, **Crown City;** chair, **Selig;** wood furniture, **Tomlinson;** TV set, **Phileo;** carpet (throughout house), **Katherine.** *Family room:* dining table, **Valley;** chairs, **American of Martinsville;** bar stools, **Shaver-Howard.** *Living room:* wood furniture, **Heritage;** upholstered furniture, sofa table, **Valley.** *Master bedroom:* furniture, **American of Martinsville;** bedspread, **Cabin Craft;** mattresses and box springs, **Simmons.**

LIGHTING ADDS A NEW DIMENSION TO LIVING
Sacramento, California

Pages 78-82

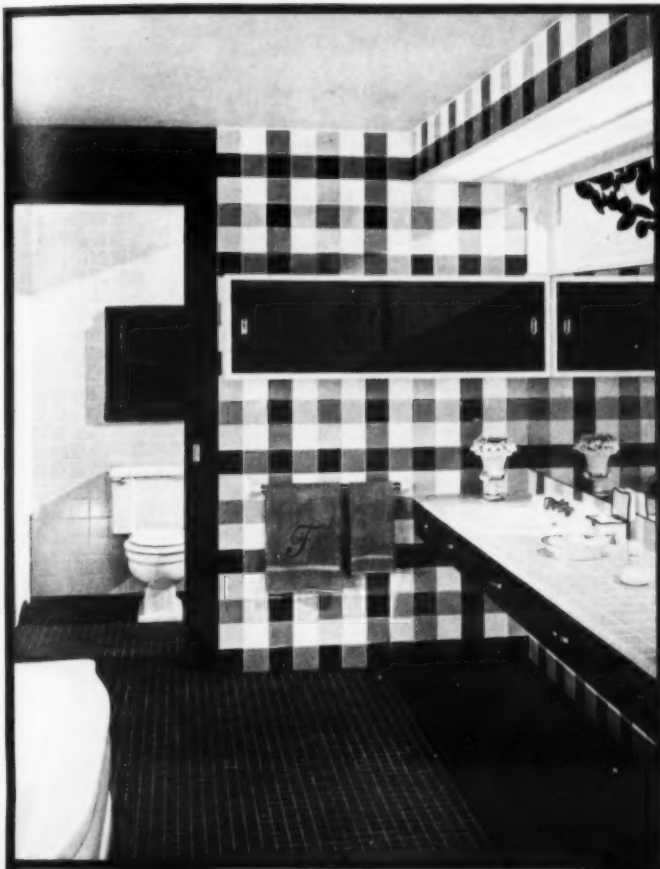
Living room: upholstered furniture, **Modern Lounge;** cocktail table, chair, stools, **Dux;** chest, **Pechanec;** tables, **Modern Mode;** carpet, **Needletuft.** *Terrace:* furniture, **Mallin Imports.** *Kitchen-dining area:* table, lounge chair, **Rickberg.** *Bedroom:* furniture, **Modern Mode;** lamp, **Lightolier;** terrace furniture, **Tropical Sun.**

A lift for the jaded palate

[Continued from page 95]

½ cup finely chopped onions
1 tablespoon shortening
¼ cup finely chopped ham
3 cups hot water
3 teaspoons salt
⅛ teaspoon ground black pepper
3 sprigs of fresh parsley
1 pound fresh turnips, diced
12 small white onions
½ teaspoon crumbled thyme leaves
¼ teaspoon crumbled savory leaves
1 clove garlic, split
3½ tablespoons flour
1 cup chicken broth

- Cut duck into serving-size pieces and set aside until ready to brown.
- Sauté chopped onions in shortening in a heavy Dutch oven.
- Add pieces of duck and brown on all sides.
- Add ham, hot water, salt, black pepper and parsley.
- Cover and simmer 30 minutes or until almost tender.
- Add turnips, onions, thyme, savory and garlic. Cook, covered, 25 to 30 minutes or until vegetables are tender.
- Brown flour in a skillet over medium heat, stir in 1 cup chicken broth.
- Add to the mixture and cook until slightly thickened.
- Serve hot.
- Serves 5 to 6.



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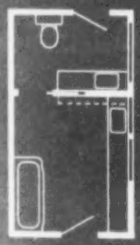

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